

2016–2017

Provincially Authorized Senior High School Courses and Course Codes (including K–12 Withdrawn Courses and Programs)

Courses within each category are listed in the sequential numerical order of the course codes. Prerequisite courses are indicated by their linear arrangement across the page, or by the line symbol \lrcorner used to indicate a prerequisite that leads to more than one course. Course credits are shown in parentheses.

Prerequisite courses are identified on the Alberta Education Extranet site and in the program of studies for each CTS strand.

Implementation years are noted in the table of contents of the [Program of Studies: Senior High Schools](#) and further documented in the footers of individual courses and programs of study.

Note: Courses approved during the 2016–2017 school year will be shown with a colour-shaded background.

A listing of withdrawn courses and programs appear at the end of the document.

Grade 10	Grade 11	Grade 12
LANGUAGE ARTS		
English Language Arts		
ELA1105 English Language Arts 10-1(5)	ELA2105 English Language Arts 20-1 (5)	ELA3105 English Language Arts 30-1 (5)
ELA1104 English Language Arts 10-2(5)	ELA2104 English Language Arts 20-2 (5)	ELA3104 English Language Arts 30-2 (5)
ESL1120 English as a Second Language 10–Level 1 .. no credits ❶		
ESL1121 English as a Second Language 10–Level 2(5) ❶		
ESL1122 English as a Second Language 10–Level 3(5) ❶		
ESL1123 English as a Second Language 10–Level 4(5) ❶		
ESL1125 English as a Second Language 10–Level 5 .. no credits ❶		
Français		
FRA1301 Français 10-1(5)	FRA2301 Français 20-1 (5)	FRA3301 Français 30-1 (5)
FRA1314 Français 10-2(5)	FRA2314 Français 20-2 (5)	FRA3314 Français 30-2 (5)

❶ Proficiency level determines entry point.

Grade 10	Grade 11	Grade 12
LANGUAGES		
Immersion and Bilingual Programs		
CLA1485 Chinese Language Arts 10(5)	CLA2485 Chinese Language Arts 20 (5)	CLA3485 Chinese Language Arts 30..... (5)
FLA1304 French Language Arts 10-1.....(5)	FLA2304 French Language Arts 20-1 (5)	FLA3304 French Language Arts 30-1 (5)
FLA1132 French Language Arts 10-2.....(5)	FLA2132 French Language Arts 20-2.... (5)	FLA3132 French Language Arts 30-2 (5)
GLA1484 German Language Arts 10(5)	GLA2484 German Language Arts 20 (5)	GLA3484 German Language Arts 30..... (5)
SLA1507 Spanish Language Arts 10.....(5)	SLA2507 Spanish Language Arts 20..... (5)	SLA3507 Spanish Language Arts 30..... (5)
ULA1486 Ukrainian Language Arts 10 ... (5)	ULA2486 Ukrainian Language Arts 20 .. (5)	ULA3486 Ukrainian Language Arts 30..... (5)
FNMI Language and Culture Courses		
BLC1369 Blackfoot Language and Culture 10.....(5)	BLC2369 Blackfoot Language and Culture 20.....(5)	BLC3369 Blackfoot Language and Culture 30..... (5)
BLC1769 Blackfoot Language and Culture 10-12Y (5)	BLC2769 Blackfoot Language and Culture 20-12Y (5)	BLC3769 Blackfoot Language and Culture 30-12Y..... (5)
CLC1488 Cree Language and Culture 10-3Y (5)	CLC2488 Cree Language and Culture 20-3Y (5)	CLC3488 Cree Language and Culture 30-3Y..... (5)
CLC1489 Cree Language and Culture 10-6Y (5)	CLC2489 Cree Language and Culture 20-6Y (5)	CLC3489 Cree Language and Culture 30-6Y..... (5)
CLC1490 Cree Language and Culture 10-9Y (5)	CLC2490 Cree Language and Culture 20-9Y (5)	CLC3490 Cree Language and Culture 30-9Y..... (5)
CLC1487 Cree Language and Culture 10-12Y (5)	CLC2487 Cree Language and Culture 20-12Y (5)	CLC3487 Cree Language and Culture 30-12Y..... (5)
French as a Second Language courses		
FSL1093 French 10-3Y(5)	FSL2093 French 20-3Y (5)	FSL3093 French 30-3Y (5)
FSL1099 French 10-9Y(5)	FSL2099 French 20-9Y (5)	FSL3099 French 30-9Y (5)
		FSL3306 French 31A..... (5)
		↓
		FSL3307 French 31B..... (5)
		↓
		FSL3308 French 31C..... (5)
International Languages: Language and Culture		
CHI1094 Chinese Language and Culture 10-3Y(5)	CHI2094 Chinese Language and Culture 20-3Y (5)	CHI3094 Chinese Language and Culture 30-3Y..... (5)
CHI1096 Chinese Language and Culture 10-6Y(5)	CHI2096 Chinese Language and Culture 20-6Y (5)	CHI3096 Chinese Language and Culture 30-6Y..... (5)
CHI1894 Chinese Language and Culture 10-9Y(5)	CHI2894 Chinese Language and Culture 20-9Y (5)	CHI3894 Chinese Language and Culture 30-9Y..... (5)
GER1315 German Language and Culture 10-3Y(5)	GER2315 German Language and Culture 20-3Y (5)	GER3315 German Language and Culture 30-3Y..... (5)
GER1047 German Language and Culture 10-6Y(5)	GER2047 German Language and Culture 20-6Y (5)	GER3047 German Language and Culture 30-6Y..... (5)
GER1903 German Language and Culture 10-9Y(5)	GER2903 German Language and Culture 20-9Y (5)	GER3903 German Language and Culture 30-9Y..... (5)
ITA1322 Italian Language and Culture 10-3Y(5)	ITA2322 Italian Language and Culture 20-3Y (5)	ITA3322 Italian Language and Culture 30-3Y..... (5)
ITA0012 Italian Language and Culture 10-6Y(5)	ITA0022 Italian Language and Culture 20-6Y (5)	ITA0032 Italian Language and Culture 30-6Y..... (5)
ITA1768 Italian Language and Culture 10-12Y(5)	ITA2768 Italian Language and Culture 20-12Y (5)	ITA3768 Italian Language and Culture 30-12Y..... (5)
JLC1097 Japanese Language and Culture 10-3Y(5)	JLC2097 Japanese Language and Culture 20-3Y (5)	JLC3097 Japanese Language and Culture 30-3Y..... (5)
JLC1098 Japanese Language and Culture 10-6Y(5)	JLC2098 Japanese Language and Culture 20-6Y (5)	JLC3098 Japanese Language and Culture 30-6Y..... (5)
JLC1902 Japanese Language and Culture 10-9Y(5)	JLC2902 Japanese Language and Culture 20-9Y (5)	JLC3902 Japanese Language and Culture 30-9Y..... (5)
LAT1325 Latin 10.....(5)	LAT2325 Latin 20 (5)	LAT3325 Latin 30 (5)
PLC1893 Punjabi Language and Culture 10-3Y(5)	PLC2893 Punjabi Language and Culture 20-3Y (5)	PLC3893 Punjabi Language and Culture 30-3Y..... (5)
PLC1901 Punjabi Language and Culture 10-9Y(5)	PLC2901 Punjabi Language and Culture 20-9Y (5)	PLC3901 Punjabi Language and Culture 30-9Y..... (5)
SPN1345 Spanish Language and Culture 10-3Y(5)	SPN2345 Spanish Language and Culture 20-3Y (5)	SPN3345 Spanish Language and Culture 30-3Y..... (5)
SPN1349 Spanish Language and Culture 10-6Y(5)	SPN2349 Spanish Language and Culture 20-6Y (5)	SPN3349 Spanish Language and Culture 30-6Y..... (5)
SPN1895 Spanish Language and Culture 10-9Y(5)	SPN2895 Spanish Language and Culture 20-9Y (5)	SPN3895 Spanish Language and Culture 30-9Y..... (5)
ULC1089 Ukrainian Language and Culture 10-3Y(5)	ULC2089 Ukrainian Language and Culture 20-3Y (5)	ULC3089 Ukrainian Language and Culture 30-3Y..... (5)

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Grade 10	Grade 11	Grade 12
International Languages: Language and Culture (continued)		
ULC1091 Ukrainian Language and Culture 10-6Y (5)	ULC2091 Ukrainian Language and Culture 20-6Y (5)	ULC3091 Ukrainian Language and Culture 30-6Y (5)
ULC1913 Ukrainian Language and Culture 10-9Y (5)	ULC2913 Ukrainian Language and Culture 20-9Y (5)	ULC3913 Ukrainian Language and Culture 30-9Y (5)
MATHEMATICS		
MAT1791 Mathematics 10C (5)	MAT2791 Mathematics 20-1 (5)	MAT3791 Mathematics 30-1 (5)
	MAT2792 Mathematics 20-2 (5)	MAT3792 Mathematics 30-2 (5)
MAT1793 Mathematics 10-3 (5)	MAT2793 Mathematics 20-3 (5)	MAT3793 Mathematics 30-3 (5)
		MAT3211 Mathematics 31 1 (5)
SCIENCE		
SCN1270 Science 10 (5)	SCN2231 Biology 20 (5)	SCN3230 Biology 30 (5)
	SCN2796 Chemistry 20 (5)	SCN3796 Chemistry 30 (5)
	SCN2797 Physics 20 (5)	SCN3797 Physics 30 (5)
	SCN2270 Science 20 (5)	SCN3270 Science 30 (5)
SCN1288 Science 14 (5)	SCN2288 Science 24 (5)	
SOCIAL STUDIES		
SST1771 Social Studies 10-1 (5)	SST2771 Social Studies 20-1 (5)	SST3771 Social Studies 30-1 (5)
SST1772 Social Studies 10-2 (5)	SST2772 Social Studies 20-2 (5)	SST3772 Social Studies 30-2 (5)
CAREER AND LIFE MANAGEMENT (CALM)		
	PED0770 Career and Life Management (3)	
PHYSICAL EDUCATION		
PED1445 Physical Education 10 2 (3) (4) (5)	PED2445 Physical Education 20 (3) (4) (5)	PED3445 Physical Education 30 (3) (4) (5)
FINE ARTS		
FNA1400 Art 10 (3) (4) (5)	FNA2400 Art 20 (3) (4) (5)	FNA3400 Art 30 (5)
FNA1405 Art 11 (3) (4) (5)	FNA2405 Art 21 (3) (4) (5)	FNA3405 Art 31 (5)
FNA1410 Drama 10 (3) (5)	FNA2410 Drama 20 (3) (5)	FNA3410 Drama 30 (5)
FNA1420 Choral Music 10 (3) (5)	FNA2420 Choral Music 20 (3) (5)	FNA3420 Choral Music 30 (5)
FNA1424 General Music 10 (3) (5)	FNA2424 General Music 20 (3) (5)	FNA3424 General Music 30 (3) (5)
FNA1425 Instrumental Music 10 (3) (5)	FNA2425 Instrumental Music 20 (3) (5)	FNA3425 Instrumental Music 30 (5)

1 Mathematics 30-1 is a prerequisite or co-requisite for Mathematics 31

2 The waiver of prerequisite provision does not apply to Physical Education 10.

Grade 10	Grade 11	Grade 12
SOCIAL SCIENCES		
	SSN2155 Political Thinking 20(3)	
	SSN2156 Comparative Government 20(3)	
	SSN2160 Religious Ethics 20.....(3)	
	SSN2161 Religious Meanings 20(3)	
	SSN2166 Local and Canadian Geography 20(3)	
	SSN2171 Personal Psychology 20(3)	
	SSN2172 General Psychology 20(3)	
	SSN2176 General Sociology 20.....(3)	
	SSN2177 Sociological Institutions 20(3)	
	SSN2181 Origins of Western Philosophy 20(3)	
	SSN2182 Contemporary Western Philosophy 20(3)	
	SSN2185 Western Canadian History 20(3)	
	SSN2186 Canadian History 20(3)	
	SSN2187 Economics for Consumers 20(3)	
		SSN3156 International Politics 30(3)
		SSN3161 World Religions 30.....(3)
		SSN3166 World Geography 30(3)
		SSN3171 Experimental Psychology 30.....(3)
		SSN3175 Cultural and Physical Anthropology 30.....(3)
		SSN3176 Applied Sociology 30(3)
		SSN3182 Philosophies of Man 30(3)
		SSN3183 Microeconomics 30(3)
		SSN3185 Western World History 30(3)
		SSN3194 Macroeconomics 30.....(3)
ABORIGINAL STUDIES		
SSN1154 Aboriginal Studies 10 (3) (5)	SSN2154 Aboriginal Studies 20..... (3) (5)	SSN3154 Aboriginal Studies 30(3) (5)
OTHER INSTRUCTION		
OTH1910 Career Internship 10 (3) (4) (5)		
OTH1998 Work Experience 15 1	OTH2998 Work Experience 25 1	OTH3998 Work Experience 35 1
OTH1999 Special Projects 10 2	OTH2999 Special Projects 20 2	OTH3999 Special Projects 30 2

1 Each course, at each level, may be offered for 3, 4, 5, 6, 7, 8, 9 or 10 credits. Beginning in the 1994–1995 school year, the maximum total that can be credited toward the 100-credit completion requirement is 15 credits. The course challenge and waiver of prerequisite provisions do not apply to work experience courses.

2 Each course, at each level, may be offered for 1, 2, 3, 4 or 5 credits. The course challenge and waiver of prerequisite provisions do not apply to special projects courses.

Grade 10	Grade 11	Grade 12
Green Certificate Courses ❶		
Green Certificate courses are not sequential. They may be taken in any order. Each Green Certificate course is coded as a 33-level course and all credits earned in Green Certificate courses count toward Grade 12 completion requirements.		
Cow–Calf Beef Production Technician		
OTH9900 Cattle Care and Production 33..... (6)	OTH9901 Calving and Herd Health 33..... (5)	OTH9902 Beef Support Systems 33.....(5)
Dairy Production Technician		
OTH9903 Animal Husbandry and Health 33 (6)	OTH9904 Dairy Operations 33..... (5)	OTH9905 Dairy Equipment Operation and Service 33.....(5)
Feedlot Beef Production Technician		
OTH9906 Handling Feedlot Cattle 33 (6)	OTH9907 Feedlot Cattle Care and Feeding 33 (5)	OTH9908 Feedlot Support Systems 33(5)
Field Crop Production Technician		
OTH9909 Field Crop Care 33..... (6)	OTH9910 Land Preparation and Planting 33 (5)	OTH9911 Harvesting Operations 33(5)
Irrigated Field Crop Production Technician		
OTH9912 Irrigation Processes and Practices 33..... (6)	OTH9913 Field and Crop Preparation 33 (5)	OTH9914 Field Crop and Forage Harvesting 33(5)
Sheep Production Technician		
OTH9915 Sheep Production and Health 33 (6)	OTH9916 Sheep Farm Operations and Equipment 33..... (5)	OTH9917 Sheep Handling and Facilities 33.....(5)
Swine Production Technician		
OTH9918 Swine Behaviour and Production 33..... (6)	OTH9919 Swine Handling and Welfare 33 (5)	OTH9920 Swine Health and Operations 33(5)
Bee Keeper Production Technician		
OTH9921 Bee Operation Preparation and Planning 33 (6)	OTH9922 Bee Operation Production and Practices 33 (5)	OTH9923 Bee Operation Support Systems 33(5)
Equine Technician		
OTH9924 Equine Operations and Care 33 (6)	OTH9925 Equine Processes and Practices 33 (5)	OTH9926 Equine Support Systems 33.....(5)
Greenhouse Technician		
OTH9927 Greenhouse Operations Care 33 (6)	OTH9928 Greenhouse Processes and Practices 33 (5)	OTH9929 Greenhouse Support Systems 33(5)

❶ There is significant content overlap between Field Crop Production courses and Irrigated Field Crop Production courses. Students can, therefore, earn credits in either:

- Land Preparation and Planting 33 **OR** Field and Crop Preparation 33
- Harvesting Operations 33 **OR** Field Crop and Forage Harvesting 33.

Grade 10	Grade 11	Grade 12
Knowledge and Employability		
Academics		
KAE1780 English Language Arts 10-4 (5)	KAE2780 English Language Arts 20-4..... (5)	KAE3780 English Language Arts 30-4 (5)
KAE1781 Social Studies 10-4 (5)	KAE2781 Social Studies 20-4 (5) ❶	
KAE1782 Mathematics 10-4..... (5)	KAE2782 Mathematics 20-4 (5)	
KAE1783 Science 10-4..... (5)	KAE2783 Science 20-4 (5)	
KAE1784 Français 10-4..... (5)	KAE2784 Français 20-4 (5)	KAE3784 Français 30-4..... (5)
Occupations		
a) Art/Design and Communication		
KAE1570 Art/Design 10-4 (5)	KAE2570 Art/Design 20-4..... (5)	KAE3570 Art/Design 30-4 (5)
KAE1571 Art/Media Communications 10-4 (5)	KAE2571 Art/Media Communications 20-4 (5)	KAE3571 Art/Media Communications 30-4 (5)
b) Auto Mechanics		
KAE1572 Auto Mechanics 10-4 (5)	KAE2572 Auto Mechanics 20-4 (5)	KAE3572 Auto Mechanics 30-4 (5)
	KAE2573 Auto Services 20-4..... (5)	KAE3573 Auto Services 30-4 (5)
c) Business Services		
KAE1574 Business Services 10-4 (5)	KAE2574 Logistics 20-4..... (5)	KAE3574 Logistics 30-4 (5)
	KAE2575 Office Services 20-4..... (5)	KAE3575 Office Services 30-4 (5)
	KAE2576 Sales and Service 20-4..... (5)	KAE3576 Sales and Service 30-4 (5)
d) Construction: Building		
KAE1577 Construction: Building 10-4 (5)	KAE2577 Woodworking and Cabinetry 20-4..... (5)	KAE3577 Woodworking and Cabinetry 30-4..... (5)
	KAE2578 Wood Frame Construction 20-4..... (5)	KAE3578 Wood Frame Construction 30-4..... (5)
e) Construction: Metal Fabrication		
KAE1579 Construction: Metal Fabrication 10-4 (5)	KAE2579 Construction Systems 20-4 (5)	KAE3579 Construction Systems 30-4 (5)
	KAE2580 Metal Fabrication 20-4 (5)	KAE3580 Metal Fabrication 30-4 (5)
f) Cosmetology		
KAE1581 Cosmetology 10-4 (5)	KAE2581 Cosmetology 20-4 (5)	KAE3581 Cosmetology 30-4 (5)
	KAE2582 Esthetics 20-4..... (5)	KAE3582 Esthetics 30-4 (5)
g) Fabrics		
KAE1583 Fabrics 10-4 (5)	KAE2583 Fashion Textiles 20-4 (5)	KAE3583 Fashion Textiles 30-4 (5)
	KAE2584 Industrial Textiles 20-4 (5)	KAE3584 Industrial Textiles 30-4..... (5)
h) Foods		
KAE1585 Foods 10-4 (5)	KAE2585 Commercial Cooking 20-4 (5)	KAE3585 Commercial Cooking 30-4 (5)
	KAE2586 Food Preparation and Service 20-4 (5)	KAE3586 Food Preparation and Service 30-4 (5)
i) Horticulture		
KAE1587 Horticulture 10-4..... (5)	KAE2587 Greenhouse and Nursery 20-4..... (5)	KAE3587 Greenhouse and Nursery 30-4..... (5)
	KAE2588 Landscaping 20-4..... (5)	KAE3588 Landscaping and Maintenance 30-4..... (5)
j) Human Care		
KAE1589 Human Care 10-4 (5)	KAE2589 Child Care 20-4..... (5)	KAE3589 Child Care 30-4 (5)
	KAE2590 Home Care 20-4 (5)	KAE3590 Home Care 30-4 (5)

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❶ In French, IOP Social Studies 26 was withdrawn and replaced with Knowledge and Employability Social Studies 20-4, effective September 2010.

Grade 10	Grade 11	Grade 12
Knowledge and Employability (continued)		
k) Natural Resources		
KAE1591 Natural Resources 10-4 ... (5)	KAE2591 Agriculture 20-4 (5)	KAE3591 Agriculture 30-4 (5)
	KAE2592 Forestry 20-4 (5)	KAE3592 Forestry 30-4 (5)
	KAE2593 Oil and Gas 20-4 (5)	KAE3593 Oil and Gas 30-4 (5)
l) Workplace Readiness		
KAE1594 Workplace Readiness 10-4 (5)	KAE2594 Workplace Practicum 20-4A.... (5) ①	KAE3594 Workplace Practicum 30-4A (5) ①
	KAE2595 Workplace Practicum 20-4B (5) ①	KAE3595 Workplace Practicum 30-4B (5) ①
	KAE2596 Workplace Practicum 20-4C (5) ①	KAE3596 Workplace Practicum 30-4C (5) ①
	KAE2597 Workplace Practicum 20-4D (5) ①	KAE3597 Workplace Practicum 30-4D (5) ①

① Students may take more than one Practicum course at the 20 and 30 levels depending on the number of completed prerequisite occupational courses.

CAREER AND TECHNOLOGY STUDIES★

Agricultural Equipment Technician Apprenticeship [Each course is worth 1 credit.] ❶—Trades, Manufacturing & Transportation (TMT)

AEA3400	Tools & Materials	AEA3450	Farm Equipment 2
AEA3405	Welding Equipment	AEA3455	Farm Equipment 3
AEA3410	Electric Welding	AEA3460	Power Transmission
AEA3415	Electrical Fundamentals	AEA3465	Gears & Axles
AEA3420	Current & Resistance	AEA3470	AEA Practicum A
AEA3425	Batteries & Diagnostics	AEA3475	AEA Practicum B
AEA3430	Electrical Diagnostics	AEA3480	AEA Practicum C
AEA3435	Hydraulic Fundamentals	AEA3485	AEA Practicum D
AEA3440	Hydraulic Systems	AEA3900	Apprenticeship Safety
AEA3445	Farm Equipment 1		

Agriculture [Each course is worth 1 credit.] ❶—Natural Resources (NAT)

AGR1010	Introduction to Agriculture	AGR2120	Soils Management 1
AGR1040	Introduction to Animal Basics	AGR2130	Integrated Pest Management
AGR1050	Plant Propagation	AGR2150	Greenhouse/Nursery Crops 2
AGR1055	Gardening	AGR2910	AGR Project B
AGR1070	Landscaping 1	AGR2920	AGR Project C
AGR1080	Floral Design – Mechanics	AGR2950	AGR Intermediate Practicum
AGR1085	Floral Design 1	AGR3000	Agriculture Safety
AGR1100	Agriculture Technology	AGR3030	Field Crops 2
AGR1150	Greenhouse/Nursery Crops 1	AGR3040	Livestock/Poultry 2
AGR1910	AGR Project A	AGR3050	Agrifoods 2
AGR2010	Diversity in Agriculture	AGR3060	Landscaping 3
AGR2020	Animal Husbandry/Welfare	AGR3070	Equine 2
AGR2030	Field Crops 1	AGR3085	Floral Design 3
AGR2040	Livestock/Poultry 1	AGR3095	Display Design
AGR2045	Companion Animals	AGR3100	Biotechnology
AGR2050	Agrifoods 1	AGR3120	Soils Management 2
AGR2060	Landscaping 2	AGR3150	Greenhouse/Nursery Crops 3
AGR2070	Equine 1	AGR3160	Turf Management
AGR2085	Floral Design 2	AGR3910	AGR Project D
AGR2095	Indoor Plants	AGR3920	AGR Project E
AGR2100	Protective Enclosures	AGR3950	AGR Advanced Practicum

Auto Body Technician Apprenticeship [Each course is worth 1 credit.] ❶—Trades, Manufacturing & Transportation (TMT)

ABA3400	Batteries, Trim & Tools	ABA3430	Undercoating
ABA3405	Component Maintenance	ABA3435	ABA Practicum A
ABA3410	Substrates	ABA3440	ABA Practicum B
ABA3415	Fillers	ABA3445	ABA Practicum C
ABA3420	Surface Preparation	ABA3450	ABA Practicum D
ABA3425	Masking	ABA3900	Apprenticeship Safety

Automotive Service Technician Apprenticeship [Each course is worth 1 credit.] ❶—Trades, Manufacturing & Transportation (TMT)

ASA3400	Basic Tools & Materials	ASA3440	Disc & Drum Brakes
ASA3402	Vehicle Service Information	ASA3445	Brake System Repairs
ASA3405	Electrical Principles	ASA3450	Wheels & Drive Lines
ASA3410	Electrical Circuits	ASA3452	Maintenance & Trailers
ASA3412	Electrical Service	ASA3455	ASA Practicum A
ASA3415	Frames & Undercarriage	ASA3460	ASA Practicum B
ASA3420	Steering Systems	ASA3465	ASA Practicum C
ASA3425	Suspension Systems	ASA3470	ASA Practicum D
ASA3430	Alignment Procedures	ASA3900	Apprenticeship Safety
ASA3435	Brake Fundamentals		

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★ The computer system accepts only 22 characters for a course name, including spaces, and that is how courses appear on the Student Profile statement on transcripts. These 1-credit courses are rolled up under each occupational area.

❶ Prerequisite courses are identified in the program of studies for each CTS course.

CAREER AND TECHNOLOGY STUDIES★

Baker Apprenticeship [Each course is worth 1 credit.] ❶—Health, Recreation & Human Services (HRH)

BKA3400	Tools & Equipment	BKA3445	Pastries
BKA3405	Raised Goods Theory 1	BKA3450	Custards & Fillings
BKA3410	Raised Goods Practical 1	BKA3455	Icings & Piping
BKA3415	Raised Goods Theory 2	BKA3460	Baking Math
BKA3420	Raised Goods Practical 2	BKA3465	BKA Practicum A
BKA3425	Baking & Frying	BKA3470	BKA Practicum B
BKA3430	Cakes	BKA3475	BKA Practicum C
BKA3435	Cookies	BKA3480	BKA Practicum D
BKA3440	Quick Breads	BKA3900	Apprenticeship Safety

Cabinetmaker Apprenticeship [Each course is worth 1 credit.] ❶—Trades, Manufacturing & Transportation (TMT)

CMA3400	Properties of Wood	CMA3450	Drafting Basics
CMA3405	Processing Lumber	CMA3455	Drawings & Cut Lists
CMA3410	Adhesives & Fasteners	CMA3460	Cad & Print Reading
CMA3415	Abrasives & Joinery	CMA3465	Trade Mathematics
CMA3420	Hand Tools 1	CMA3470	CMA Practicum A
CMA3425	Hand Tools 2	CMA3475	CMA Practicum B
CMA3430	Electric & Air Tools	CMA3480	CMA Practicum C
CMA3435	Power Saws	CMA3485	CMA Practicum D
CMA3440	Tooling Equipment	CMA3900	Apprenticeship Safety
CMA3445	Band Saws & Planers		

Career Transitions [Each course is worth 1 credit.] ❶

CTR1010	Job Preparation	CTR3010	Preparing for Change
CTR2010	Job Maintenance	CTR3310	Career Directions—Transitions
CTR2310	Career Directions—Expansion		

Carpenter Apprenticeship [Each course is worth 1 credit.] ❶—Trades, Manufacturing & Transportation (TMT)

CRA3402	Building Materials	CRA3452	Sketching & Drawings
CRA3407	Hand Tools Theory	CRA3457	Drawing Principles
CRA3412	Hand Tools Practical	CRA3462	Math Concepts
CRA3417	Portable Power Tools	CRA3467	Estimating
CRA3422	Stationary Tools	CRA3470	CRA Practicum A
CRA3427	Accessory Tools	CRA3475	CRA Practicum B
CRA3432	Building Foundations	CRA3480	CRA Practicum C
CRA3437	Foundation Theory	CRA3485	CRA Practicum D
CRA3442	Foundation Practical	CRA3900	Apprenticeship Safety
CRA3447	Floor Frames		

Communication Technician Apprenticeship [Each course is worth 1 credit.] ❶—Trades, Manufacturing & Transportation (TMT)

CTA3400	Electricity Fundamentals	CTA3440	Network Fundamentals
CTA3405	AC/DC	CTA3445	Network Devices & IP
CTA3410	Basic Electricity	CTA3450	CTA Practicum A
CTA3415	Mathematics	CTA3455	CTA Practicum B
CTA3420	Outside Cabling	CTA3460	CTA Practicum C
CTA3425	Inside Cabling	CTA3465	CTA Practicum D
CTA3430	Telephone Basics	CTA3900	Apprenticeship Safety
CTA3435	Switching & Equipment		

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❶ Prerequisite courses are identified in the program of studies for each CTS course.

CAREER AND TECHNOLOGY STUDIES★

Communication Technology [Each course is worth 1 credit.] ❶—Media, Design & Communication Arts (MDC)

COM1005	Visual Composition	COM2285	Com Tech Client Services 1
COM1015	Media	COM2910	COM Project B
COM1025	Typography	COM2920	COM Project C
COM1035	Graphics Tools	COM2950	COM Intermediate Practicum
COM1055	Web Design 1	COM3005	Creative Writing
COM1105	Audio/Video	COM3025	Electronic Layout & Publishing 2
COM1145	Animation 1	COM3035	Raster Graphics 2
COM1165	Printing 1	COM3045	Vector Graphics 2
COM1205	Photography – Introduction	COM3055	Rich Media – Basics
COM1215	Photography – Exposure	COM3065	Rich Media – Programming
COM1255	E-Learning & Learning Management Systems	COM3075	Cascading Style Sheets
COM1275	Photography – Digital Processing 1	COM3085	Content Management Systems
COM1910	COM Project A	COM3105	AV Preproduction 2
COM2015	Media Impact	COM3115	AV Production 2
COM2025	Electronic Layout & Publishing 1	COM3125	AV Postproduction 2
COM2035	Raster Graphics 1	COM3135	Audio Techniques
COM2045	Vector Graphics 1	COM3145	Animation 3
COM2055	Web Design 2	COM3155	Design – Advertising Campaigns
COM2105	AV Preproduction 1	COM3165	AV Broadcasting
COM2115	AV Production 1	COM3205	Photography – Lighting
COM2125	AV Postproduction 1	COM3215	Photography – Photojournalism
COM2145	Animation 2	COM3225	Photography – Colour
COM2155	Design – Brand Identity	COM3235	Photography – B/W Digital Techniques
COM2165	Printing 2	COM3245	Photography – Outdoor
COM2175	Interactive Presentation	COM3275	Photography – Digital Processing 2
COM2205	Photography – Composition	COM3285	Com Tech Client Services 2
COM2215	Photography – Communication	COM3910	COM Project D
COM2225	Photography – Darkroom Techniques	COM3920	COM Project E
COM2235	Photography – Lenses	COM3950	COM Advanced Practicum

Community Care Services [Each course is worth 1 credit.] ❶—Health, Recreation & Human Services (HRH)

CCS1020	Back Care Basics	CCS3030	Aging
CCS1030	Caring for Body Systems 1	CCS3050	Supporting Positive Behaviour
CCS1080	Community Volunteerism 1	CCS3060	Supporting Persons with Disabilities 1
CCS1910	CCS Project A	CCS3070	Supporting Persons with Disabilities 2
CCS2010	Health Care 1	CCS3080	Community Enhancement
CCS2030	Caring for Body Systems 2	CCS3110	Early Learning & Child Care 1
CCS2040	Integrative Health	CCS3120	Early Learning & Child Care 2
CCS2080	Community Volunteerism 2	CCS3130	Early Learning & Child Care 3
CCS2910	CCS Project B	CCS3140	Early Learning & Child Care 4
CCS2920	CCS Project C	CCS3150	Early Learning & Child Care 5
CCS2950	CCS Intermediate Practicum	CCS3910	CCS Project D
CCS3010	Health Care 2	CCS3920	CCS Project E
CCS3020	Health Care 3	CCS3950	CCS Advanced Practicum

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CAREER AND TECHNOLOGY STUDIES★

Computing Science [Each course is worth 1 credit.] ❶—Business, Administration, Finance & Information Technology (BIT)

CSE1010	Computer Science 1	CSE2950	CSE Intermediate Practicum
CSE1110	Structured Programming 1	CSE3010	Computer Science 3
CSE1120	Structured Programming 2	CSE3020	Computer Science 4
CSE1210	Client-side Scripting 1	CSE3110	Iterative Algorithm 1
CSE1220	Client-side Scripting 2	CSE3120	Object-oriented Programming 1
CSE1240	Robotics Programming 1	CSE3130	Object-oriented Programming 2
CSE1910	CSE Project A	CSE3140	Second Language Programming 2
CSE2010	Computer Science 2	CSE3210	Server-side Scripting 1
CSE2110	Procedural Programming 1	CSE3240	Robotics Programming 3
CSE2120	Data Structures 1	CSE3310	Recursive Algorithms 1
CSE2130	Files & File Structures 1	CSE3320	Dynamic Data Structures 1
CSE2140	Second Language Programming 1	CSE3330	Dynamic Data Structures 2
CSE2210	Client-side Scripting 3	CSE3340	Dynamic Data Structures 3
CSE2240	Robotics Programming 2	CSE3910	CSE Project D
CSE2910	CSE Project B	CSE3920	CSE Project E
CSE2920	CSE Project C	CSE3950	CSE Advanced Practicum

Construction Technologies [Each course is worth 1 credit.] ❶—Trades, Manufacturing & Transportation (TMT)

CON1010	Construction Tools & Materials	CON2200	Product Development
CON1070	Building Construction	CON2910	CON Project B
CON1120	Product Management	CON2920	CON Project C
CON1130	Solid Stock Construction	CON2950	CON Intermediate Practicum
CON1140	Turning Operations	CON3010	Concrete – Structures & Finishes
CON1160	Manufactured Materials	CON3020	Masonry Work – Structures & Finishes
CON1180	Mould Making & Casting	CON3030	Wall & Ceiling Finishing
CON1910	CON Project A	CON3040	Stair Construction
CON2010	Site Preparation	CON3050	Roof Structures 2
CON2020	Concrete Forming	CON3060	Doors & Trim
CON2030	Alternative Foundations	CON3070	Floorcovering
CON2035	Framing Systems – Floor	CON3080	Energy-efficient Housing
CON2045	Framing Systems – Wall	CON3090	Renovations/Restorations
CON2050	Roof Structures 1	CON3105	Commercial Structures
CON2060	Doors, Windows & Siding	CON3110	Site Management
CON2070	Electrical Systems	CON3120	Tool Maintenance
CON2080	Plumbing Systems	CON3130	Furniture – Leg & Rail
CON2090	Climate Control Systems	CON3140	Furniture – Surface Enhancement
CON2100	Agri-structures	CON3150	Furniture Repair
CON2120	Multiple Materials	CON3160	Cabinetmaking – Cabinets & Countertops
CON2130	Furniture – Box Construction	CON3170	Cabinetmaking – Layout & Installation
CON2140	Furniture – Frame & Panel	CON3190	Production Planning
CON2150	Finishing & Refinishing	CON3200	Production Management
CON2160	Cabinetmaking – Web & Face Frame	CON3210	Framing Systems – Advanced
CON2170	Cabinetmaking – Door & Drawer	CON3910	CON Project D
CON2180	Wood Forming	CON3920	CON Project E
CON2190	Manufacturing Systems	CON3950	CON Advanced Practicum

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CAREER AND TECHNOLOGY STUDIES★

Cook Apprenticeship [Each course is worth 1 credit.] ❶—Health, Recreation & Human Services (HRH)

CKA3401	Kitchen Orientation	CKA3451	Breakfast & Dairy
CKA3406	Kitchen Mathematics	CKA3456	Introduction to Baking
CKA3411	Meats & Seafood 1	CKA3461	Breads & Cookies
CKA3416	Meats & Seafood 2	CKA3466	Pies & Fillings
CKA3421	Cooking Proteins 1	CKA3560	CKA Practicum A
CKA3426	Cooking Proteins 2	CKA3565	CKA Practicum B
CKA3431	Stocks & Soups	CKA3570	CKA Practicum C
CKA3436	Thickeners & Sauces	CKA3575	CKA Practicum D
CKA3441	Fruits & Vegetables	CKA3900	Apprenticeship Safety
CKA3446	Starches & Salads		

Cosmetology [Each course is worth 1 credit.] ❶—Health, Recreation & Human Services (HRH)

COS1010	Personal & Professional Practices	COS2950	COS Intermediate Practicum
COS1020	Long Hair Design 1	COS3000	The Science of Cosmetology
COS1910	COS Project A	COS3010	Professional Relationships
COS2000	Salon Design	COS3020	Long Hair Design 3
COS2010	Long Hair Design 2	COS3280	Client Services & Sales 2
COS2210	Client Services & Sales 1	COS3910	COS Project D
COS2910	COS Project B	COS3920	COS Project E
COS2920	COS Project C	COS3950	COS Advanced Practicum

Criminal Justice Studies [Each course is worth 1 credit.] ❶—Health, Recreation & Human Services (HRH)

CJS3400	Criminal Justice Systems	CJS3465	Communication Skills
CJS3405	Criminal Justice Principles	CJS3470	Interpersonal Skills
CJS3410	Police Services & Trends	CJS3475	Relationships & Roles
CJS3415	Courts & Sentencing	CJS3480	Communication Contexts & Barriers
CJS3420	Correctional Systems	CJS3485	CJS Communication Project
CJS3425	Health & Wellness Foundations	CJS3490	Basic Security Procedures
CJS3430	Personal Fitness Standards	CJS3495	Advanced Security Procedures
CJS3435	Safety & Risk Management	CJS3500	CJS Practice 1
CJS3440	Professional Ethics & Standards	CJS3505	CJS Practice 2
CJS3445	Ethical Principles	CJS3510	CJS Practice 3
CJS3450	Ethical Dilemmas	CJS3515	CJS Practice 4
CJS3455	Case Studies In Ethics	CJS3520	CJS Practice 5
CJS3460	CJS Ethics Project		

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CAREER AND TECHNOLOGY STUDIES★

Design Studies [Each course is worth 1 credit.] ❶—Media, Design & Communication Arts (MDC)

DES1010	Sketch, Draw & Model	DES3045	3-D Design 3
DES1020	The Design Process	DES3055	CAD 3
DES1030	2-D Design 1	DES3065	Technical Design 3
DES1040	3-D Design 1	DES3075	Technical Drafting 3
DES1050	CAD 1	DES3095	Architectural Design
DES1060	Technical Design & Drafting 1	DES3105	Engineering Design
DES1910	DES Project A	DES3115	Industrial Design
DES2035	2-D Design 2	DES3125	Interior Design
DES2045	3-D Design 2	DES3135	Landscape Design
DES2055	CAD 2	DES3145	Modelling – Real
DES2060	Evolution of Design	DES3155	Modelling – Virtual
DES2065	Technical Design 2	DES3165	Presentation
DES2075	Technical Drafting 2	DES3170	Future of Design
DES2910	DES Project B	DES3910	DES Project D
DES2920	DES Project C	DES3920	DES Project E
DES2950	DES Intermediate Practicum	DES3950	DES Advanced Practicum
DES3035	2-D Design 3		

Electrician Apprenticeship [Each course is worth 1 credit.] ❶—Trades, Manufacturing & Transportation (TMT)

ETA3400	Electrical Principles	ETA3450	Introduction to Code
ETA3405	Electrical Concepts	ETA3455	Conductors & Grounding
ETA3410	Resistive Circuits	ETA3460	Wiring & Installation
ETA3415	Edison 3-Wire System	ETA3465	Diagrams & Drawings
ETA3420	Power & Efficiency	ETA3470	ETA Practicum A
ETA3425	Batteries & Magnetism	ETA3475	ETA Practicum B
ETA3430	Meters & Connections	ETA3480	ETA Practicum C
ETA3435	Switching Circuits	ETA3485	ETA Practicum D
ETA3440	Relays & Controls	ETA3900	Apprenticeship Safety
ETA3445	Switches & Alarms		

Electro-Technologies [Each course is worth 1 credit.] ❶—Trades, Manufacturing & Transportation (TMT)

ELT1010	Electro-assembly 1	ELT2170	Robotics Sensor 2
ELT1030	Conversion & Distribution	ELT2180	Process Control
ELT1050	Electronic Power Supply 1	ELT2910	ELT Project B
ELT1080	Control Systems 1	ELT2920	ELT Project C
ELT1090	Analog Communication 1	ELT2950	ELT Intermediate Practicum
ELT1110	Security Systems 1	ELT3010	Electro-assembly 3
ELT1130	Robotics 1	ELT3020	Electronic Servicing
ELT1140	Robotics Applications	ELT3030	Power Systems & Services
ELT1910	ELT Project A	ELT3040	Generation/Transformation
ELT2010	Electro-assembly 2	ELT3110	Amplifiers
ELT2020	Electrical Servicing	ELT3140	Motors
ELT2030	Branch Circuit Wiring	ELT3150	Robotics 3
ELT2050	Electronic Power Supply 2	ELT3160	Control Applications
ELT2080	Control Systems 2	ELT3170	Robotics Microprocessors
ELT2090	Analog Communication 2	ELT3180	Robotics Vision Systems
ELT2110	Security Systems 2	ELT3190	Robotics Kinematics & Behaviour
ELT2120	Electro-optics	ELT3200	Robotics Artificial Intelligence
ELT2130	Magnetic Control Devices	ELT3205	Expert Systems
ELT2140	Robotics 2	ELT3910	ELT Project D
ELT2150	Electronic Controls	ELT3920	ELT Project E
ELT2160	Robotics Sensor 1	ELT3950	ELT Advanced Practicum

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CAREER AND TECHNOLOGY STUDIES★

Enterprise and Innovation [Each course is worth 1 credit.] ❶—Business, Administration, Finance & Information Technology (BIT)

ENT1010	Challenge & Opportunity	ENT2920	ENT Project C
ENT1020	Elements of a Venture Plan	ENT2950	ENT Intermediate Practicum
ENT1910	ENT Project A	ENT3010	Managing the Venture
ENT2010	Analyzing Ventures	ENT3020	Expanding the Venture
ENT2020	Financing Ventures	ENT3910	ENT Project D
ENT2030	Marketing the Venture	ENT3920	ENT Project E
ENT2040	Create the Venture	ENT3950	ENT Advanced Practicum
ENT2910	ENT Project B		

Environmental Stewardship [Each course is worth 1 credit.] ❶—Natural Resources (NAT)

ENS1010	Introduction to Stewardship	ENS2910	ENS Project B
ENS1020	Fostering Stewardship	ENS2920	ENS Project C
ENS1030	Consumerism	ENS2950	ENS Intermediate Practicum
ENS1040	Living with the Environment	ENS3030	The Green Economy
ENS1110	Natural Resources	ENS3040	Energy & the Environment
ENS1115	Resource Management	ENS3050	Environmental Politics
ENS1910	ENS Project A	ENS3110	Integrated Resource Management
ENS2030	Ecological Economics	ENS3120	Water Management 2
ENS2040	Environmental Health & Safety	ENS3130	Sustainable Energy
ENS2050	Environmental Ethics	ENS3210	Sustainable Community Planning & Design
ENS2120	Water Management 1	ENS3220	Energy Conservation Applications
ENS2130	Renewable & Nonrenewable Energy Resources	ENS3910	ENS Project D
ENS2140	By-product Management	ENS3920	ENS Project E
ENS2210	Sustainable Building Design & Construction	ENS3950	ENS Advanced Practicum
ENS2220	Energy Conservation Principles		

Esthetics [Each course is worth 1 credit.] ❶—Health, Recreation & Human Services (HRH)

EST1020	Skin Care Practices	EST3030	Body Therapy
EST1025	Skin Care Practices – Client Services	EST3040	Hair Removal
EST1070	Manicuring 1	EST3045	Hair Removal – Client Services
EST1140	Theatrical Make-up 1	EST3060	Facial & Body Adornment
EST1910	EST Project A	EST3070	Pedicuring
EST2030	Facials	EST3075	Manicuring & Pedicuring – Client Services
EST2035	Facials – Client Services	EST3090	Nail Enhancement – Gel
EST2050	Make-up	EST3100	Nail Enhancement – Acrylic
EST2055	Make-up – Client Services	EST3105	Nail Enhancement – Client Services
EST2070	Manicuring 2	EST3115	Esthetics – Client Services
EST2075	Manicuring 3 – Client Services	EST3140	Theatrical Make-up 3
EST2090	Nail Art	EST3145	Theatrical Make-up 4 – Client Services
EST2140	Theatrical Make-up 2	EST3150	Competition Esthetics
EST2910	EST Project B	EST3910	EST Project D
EST2920	EST Project C	EST3920	EST Project E
EST2950	EST Intermediate Practicum	EST3950	EST Advanced Practicum
EST3010	Spa Awareness		

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CAREER AND TECHNOLOGY STUDIES★**Fabrication Studies** [Each course is worth 1 credit.] ❶—Trades, Manufacturing & Transportation (TMT)

FAB1010	Fabrication Tools & Materials	FAB2160	Custom Fabrication
FAB1040	Oxyacetylene Welding	FAB2170	Pipe Fitting
FAB1048	Semi-automated/Automated Welding	FAB2910	FAB Project B
FAB1050	Basic Electric Welding	FAB2920	FAB Project C
FAB1090	Sheet Fabrication 1	FAB2950	FAB Intermediate Practicum
FAB1100	Fabrication Principles	FAB3010	Materials Testing
FAB1110	Bar & Tubular Fabrication	FAB3020	Metallurgy Fundamentals
FAB1120	Foundry – One-piece Pattern	FAB3030	Gas Tungsten Arc Welding
FAB1130	Principles of Machining	FAB3040	Specialized Welding
FAB1160	Production Systems	FAB3048	Flux Cored Arc Welding 2
FAB1910	FAB Project A	FAB3050	Arc Welding 3
FAB2010	Structural Engineering	FAB3060	Arc Welding 4
FAB2020	Print Reading	FAB3070	Pipe & Tubular Welding
FAB2030	Oxyfuel Welding	FAB3080	Automated Welding
FAB2040	Thermal Cutting	FAB3090	Sheet Fabrication 4
FAB2048	Flux Cored Arc Welding 1	FAB3110	Sheet Fabrication 5
FAB2050	Arc Welding 1	FAB3120	Foundry – Core Moulding
FAB2060	Arc Welding 2	FAB3130	Precision Turning 2
FAB2070	Gas Metal Arc Welding 1	FAB3140	Precision Milling 2
FAB2090	Sheet Fabrication 2	FAB3150	CNC Milling
FAB2100	Sheet Fabrication 3	FAB3160	Prefabrication Principles
FAB2110	Forging Fundamentals	FAB3170	Gas Metal Arc Welding 2
FAB2120	Foundry – Split Pattern	FAB3910	FAB Project D
FAB2130	Precision Turning 1	FAB3920	FAB Project E
FAB2140	Precision Milling 1	FAB3950	FAB Advanced Practicum
FAB2150	CNC Turning		

Fashion Studies [Each course is worth 1 credit.] ❶—Media, Design & Communication Arts (MDC)

FAS1000	Fashion Illustration 1	FAS2180	Creative Costuming
FAS1010	Fashion Dynamics	FAS2190	Textile Arts 2
FAS1020	Textiles & Their Care	FAS2910	FAS Project B
FAS1030	Sewing Fundamentals	FAS2920	FAS Project C
FAS1050	Redesign, Recycle & Restore	FAS2950	FAS Intermediate Practicum
FAS1060	Creating Accessories 1	FAS3000	Fashion Illustration 3
FAS1080	Knitwear	FAS3020	Computer-aided Pattern Design 2
FAS1130	Construction Fundamentals 1	FAS3030	Pattern Drafting 2
FAS1170	Digital Embroidery Tools 1	FAS3040	Contemporary Tailoring
FAS1190	Textile Arts 1	FAS3050	Flat Pattern 2
FAS1910	FAS Project A	FAS3060	Couture
FAS2000	Fashion Illustration 2	FAS3070	Creators of Fashion
FAS2030	Computer-aided Pattern Design 1	FAS3080	Cultural Fashions
FAS2040	Evolution of Fashion	FAS3090	Specialty Fabrics 2
FAS2050	Flat Pattern 1	FAS3120	Wearable Art
FAS2060	Pattern Drafting 1	FAS3130	Construction Fundamentals 3
FAS2080	Activewear	FAS3140	Fashion Retailing
FAS2090	Specialty Fabrics 1	FAS3150	Draping
FAS2100	Sewing for Others	FAS3160	Industrial Sewing Techniques
FAS2110	Creating Home Decor	FAS3170	Digital Embroidery Tools 3
FAS2120	Surface Embellishment	FAS3180	Theatrical Costuming
FAS2130	Construction Fundamentals 2	FAS3190	Textile Arts 3
FAS2140	Fashion Merchandising	FAS3200	Outdoor Clothing
FAS2150	Upholstery	FAS3910	FAS Project D
FAS2160	Creating Accessories 2	FAS3920	FAS Project E
FAS2170	Digital Embroidery Tools 2	FAS3950	FAS Advanced Practicum

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CAREER AND TECHNOLOGY STUDIES★

Financial Management [Each course is worth 1 credit.] ①—Business, Administration, Finance & Information Technology (BIT)

FIN1010	Personal Financial Information	FIN3010	Advanced Accounting
FIN1015	Accounting Prep	FIN3020	Management Accounting
FIN1020	Accounting Cycle 1	FIN3030	Capital Accounting
FIN1030	Accounting Cycle 2	FIN3040	Financial Statements
FIN1910	FIN Project A	FIN3050	Small Business Taxation
FIN2020	Retail Accounting 1	FIN3060	Financial Analysis
FIN2030	Retail Accounting 2	FIN3070	Financial Planning
FIN2040	Accounting Software	FIN3080	Personal Investment Planning 1
FIN2060	Personal Taxation	FIN3090	Personal Investment Planning 2
FIN2070	Payroll Accounting	FIN3910	FIN Project D
FIN2910	FIN Project B	FIN3920	FIN Project E
FIN2920	FIN Project C	FIN3950	FIN Advanced Practicum
FIN2950	FIN Intermediate Practicum		

Foods [Each course is worth 1 credit.] ①—Health, Recreation & Human Services (HRH)

FOD1010	Food Basics	FOD2180	Vegetables & Fruits
FOD1020	Contemporary Baking	FOD2190	Grains, Legumes, Pulses, Nuts & Seeds
FOD1030	Snacks & Appetizers	FOD2910	FOD Project B
FOD1040	Meal Planning 1	FOD2920	FOD Project C
FOD1050	Fast & Convenience Foods	FOD2950	FOD Intermediate Practicum
FOD1060	Canadian Heritage Foods	FOD3010	Food for Life Stages
FOD1070	Farm to Table	FOD3020	Nutrition & Digestion
FOD1080	Food & Nutrition Basics	FOD3030	Creative Baking
FOD1910	FOD Project A	FOD3040	Yeast Products
FOD2030	Food Decisions & Health	FOD3050	Advanced Soups & Sauces
FOD2040	Cake & Pastry	FOD3060	Food Presentation
FOD2050	Bread Products	FOD3070	Short-order Cooking
FOD2060	Milk Products & Eggs	FOD3080	Advanced Meat Cookery
FOD2070	Soups & Sauces	FOD3090	Butcher Shop
FOD2090	Creative Cold Foods	FOD3100	Entertaining with Food
FOD2100	Basic Meat Cookery	FOD3110	Food Processing
FOD2110	Fish & Poultry	FOD3120	Food Evolution/Innovation
FOD2120	Meal Planning 2	FOD3130	The Food Entrepreneur
FOD2130	Vegetarian Cuisine	FOD3160	Regional Cuisine
FOD2140	Rush-hour Cuisine	FOD3900	Food Safety
FOD2150	Safe Food Handling	FOD3910	FOD Project D
FOD2160	Food Venture	FOD3920	FOD Project E
FOD2170	International Cuisine	FOD3950	FOD Advanced Practicum

Forestry [Each course is worth 1 credit.] ①—Natural Resources (NAT)

FOR1010	Forests & Society	FOR2920	FOR Project C
FOR1020	Forest Ecology in Regions of Canada	FOR2950	FOR Intermediate Practicum
FOR1050	Forest Imagery	FOR3010	Issues & Trends in Forestry
FOR1100	Forest Use & Protection	FOR3060	Forest Mensuration 2
FOR1910	FOR Project A	FOR3080	Forest Research & Development
FOR2010	Forest Protection & Stewardship	FOR3090	Forest Ecology – Silvics & Succession
FOR2030	Regulating Alberta's Forests	FOR3110	Silviculture
FOR2060	Forest Mensuration 1	FOR3910	FOR Project D
FOR2070	Sustainable Fibre Harvesting & Processing	FOR3920	FOR Project E
FOR2100	Forest Management	FOR3950	FOR Advanced Practicum
FOR2910	FOR Project B		

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CAREER AND TECHNOLOGY STUDIES★

Hairstylist Apprenticeship [Each course is worth 1 credit.] ❶—Health, Recreation & Human Services (HRH)

HSA3400	Hair & Scalp Care 1	HSA3540	Chemical Texturizing 3 – Heat Assisted
HSA3410	Hair & Scalp Care 2	HSA3550	Chemical Texturizing 4 – Designer
HSA3420	Hair & Scalp Care 3	HSA3555	Chemical Texturizing 5 – Client Services
HSA3425	Hair & Scalp Care 4 – Client Services	HSA3560	Hair Texturizing
HSA3430	Hair Styling 1	HSA3565	Hair Texturizing – Client Services
HSA3440	Hair Styling 2	HSA3570	Hair Colouring 1
HSA3445	Hair Styling 3 – Client Services	HSA3580	Hair Colouring 2 – Oxidative
HSA3450	Haircutting 1	HSA3585	Hair Colouring 3 – Client Services
HSA3455	Haircutting 2 – Client Services	HSA3590	Hair Colouring 4 – Decolourization
HSA3460	Haircutting 3 – Advanced Techniques	HSA3595	Hair Colouring 5 – Decolourization Client Services
HSA3465	Haircutting 4 – Advanced Techniques Client Services	HSA3600	Hair Colouring 6 – Colour Correction
HSA3470	Haircutting 5 – Creative Services	HSA3605	Hair Colouring 7 – Advanced Client Services 1
HSA3475	Haircutting 6 – Creative Client Services	HSA3615	Hair Colouring 8 – Advanced Client Services 2
HSA3485	Haircutting 7 – Current Trends Client Services	HSA3620	Hair Goods & Extensions
HSA3495	Haircutting 8 – Male Client Services	HSA3625	Hair Goods & Extensions – Client Services
HSA3505	Hair Care & Cutting 1 – Client Services	HSA3630	Historical Cosmetology
HSA3515	Hair Care & Cutting 2 – Client Services	HSA3640	Creative Cosmetology
HSA3520	Chemical Texturizing 1	HSA3650	Competition Cosmetology
HSA3530	Chemical Texturizing 2 – Cold Waving		

Health Care Aide [Each course is worth 1 credit except for*.] ❶—Health, Recreation & Human Services (HRH)

HCA3400	Role & Responsibilities	HCA3470	Complex Care Needs 2
HCA3405	Safety Systems	HCA3475	Medication Delivery
HCA3410	Communication Level 1	HCA3480	Diverse Client Groups
HCA3415	Communication Level 2	HCA3485	Clients with Dementia
HCA3420	The Human Body	HCA3490	Disability & Mortality
HCA3425	Aging & Illness	HCA3495	Clinical Practice 2A
HCA3430	Client Hygiene	HCA3500	Clinical Practice 2B
HCA3435	Bathing & Elimination	HCA3505	Clinical Practice 2C
HCA3440	Bed Making & Mobility	HCA3510	Clinical Practice 2D
HCA3445	Positioning & Meals	HCA3515	Clinical Practice 2E
HCA3450	Clinical Practice 1A	HCA3520	Clinical Practice 2F
HCA3455	Clinical Practice 1B	HCA3525	Clinical Practice 2G
HCA3460	Clinical Practice 1* (2 credits)	HCA3530	Clinical Practice 2* (7 credits)
HCA3465	Complex Care Needs 1		

Health Care Services [Each course is worth 1 credit.] ❶—Health, Recreation & Human Services (HRH)

HCS1050	Musculoskeletal System	HCS2910	HCS Project B
HCS1060	Digestive System	HCS2920	HCS Project C
HCS1070	Respiratory System	HCS2950	HCS Intermediate Practicum
HCS1080	Cardiovascular System	HCS3000	Workplace Safety Systems
HCS1100	Infection & Immunity 1	HCS3010	Workplace Safety Practices
HCS1110	Infection & Immunity 2	HCS3020	First Responder 1
HCS1910	HCS Project A	HCS3030	First Responder 2
HCS2020	First Aid /CPR with AED	HCS3040	Child Care First Aid
HCS2050	Nervous System & Senses	HCS3050	Reproduction & Readiness for Parenting
HCS2060	Endocrine System	HCS3060	Pregnancy, Birth & Infant Care
HCS2070	Urinary System	HCS3150	Advances in Medical Technology
HCS2100	Infection & Immunity 3	HCS3910	HCS Project D
HCS2120	Pain & Pain Management	HCS3920	HCS Project E
HCS2130	Chronic Conditions	HCS3950	HCS Advanced Practicum

(continued)

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CAREER AND TECHNOLOGY STUDIES★

Heavy Equipment Technician Apprenticeship [Each course is worth 1 credit.] ❶—Trades, Manufacturing & Transportation (TMT)

HEA3400	Basic Tools & Materials	HEA3450	Electronics
HEA3405	Bearings & Seals	HEA3455	Air Brake Fundamentals
HEA3410	Frames & Suspension	HEA3460	Air Brake Mechanics
HEA3415	Wheels & Preventative Maintenance	HEA3465	Air Brake Service
HEA3420	Trailer Systems	HEA3470	HEA Practicum A
HEA3425	Brake Fundamentals	HEA3475	HEA Practicum B
HEA3430	Brake Service & Repair	HEA3480	HEA Practicum C
HEA3435	Hydraulic Systems	HEA3485	HEA Practicum D
HEA3440	Electrical Theory	HEA3900	Apprenticeship Safety
HEA3445	Electrical Service		

Human & Social Services [Each course is worth 1 credit.] ❶—Health, Recreation & Human Services (HRH)

HSS1010	Health Services Foundations	HSS2910	HSS Project B
HSS1020	Nutrition & Wellness	HSS2920	HSS Project C
HSS1030	Communication Skills for Health Professionals	HSS2950	HSS Intermediate Practicum
HSS1040	Developing Maturity & Independence	HSS3010	Professional Standards & Ethics
HSS1050	Introduction to Mentorship	HSS3020	Mental Health & Wellness
HSS1080	Leadership Fundamentals 1	HSS3050	Becoming a Mentee
HSS1090	Speaking & Presenting	HSS3060	Extending the Mentoring Relationship
HSS1100	Nature & Wellness	HSS3070	Peer Mentoring
HSS1910	HSS Project A	HSS3080	Leadership Fundamentals 3
HSS2020	Nurturing Children	HSS3090	Governance & Leadership
HSS2030	Perspectives on Interpersonal Relationships	HSS3910	HSS Project D
HSS2040	Family Foundations	HSS3920	HSS Project E
HSS2050	Becoming a Mentor	HSS3950	HSS Advanced Practicum
HSS2080	Leadership Fundamentals 2		

Information Processing [Each course is worth 1 credit.] ❶—Business, Administration, Finance & Information Technology (BIT)

INF1030	Word Processing 1	INF2910	INF Project B
INF1050	Database 1	INF2920	INF Project C
INF1060	Spreadsheet 1	INF2950	INF Intermediate Practicum
INF1070	Digital Presentation	INF3010	Hardware & Software Analysis
INF1910	INF Project A	INF3060	Word Processing 3
INF2020	Keyboarding	INF3080	Project Management Tools
INF2050	Word Processing 2	INF3095	Productivity Software Integration
INF2070	Database 2	INF3910	INF Project D
INF2080	Spreadsheet 2	INF3920	INF Project E
INF2090	Correspondence	INF3950	INF Advanced Practicum
INF2100	Reports		

Instrument Technician Apprenticeship [Each course is worth 1 credit.] ❶—Trades, Manufacturing & Transportation (TMT)

ISA3400	Tools	ISA3450	Control Elements
ISA3405	Tube Practice	ISA3455	Control Valves
ISA3410	Pipe Practice	ISA3460	Applied Math
ISA3415	Electrical Theory	ISA3465	Applied Physics
ISA3420	Resistive Circuits	ISA3470	ISA Practicum A
ISA3425	Power & Efficiency	ISA3475	ISA Practicum B
ISA3430	Inductance & Capacitance	ISA3480	ISA Practicum C
ISA3435	Hazards & Regulations	ISA3485	ISA Practicum D
ISA3440	Pressure Measurement	ISA3900	Apprenticeship Safety
ISA3445	Calibration		

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CAREER AND TECHNOLOGY STUDIES★

Insulator Apprenticeship [Each course is worth 1 credit.] ❶— Trades, Manufacturing & Transportation (TMT)

INA3400	Introduction & Safety	INA3440	Cellular Glass
INA3405	Asbestos Awareness	INA3445	Mathematics
INA3410	Bonding	INA3450	Blueprints
INA3415	Pipe Insulation	INA3455	INA Practicum A
INA3420	Tools & Materials	INA3460	INA Practicum B
INA3425	Fibres & Foam	INA3465	INA Practicum C
INA3430	Polystyrenes & Wraps	INA3470	INA Practicum D
INA3435	Wool & Fibreglass	INA3900	Apprenticeship Safety

Landscape Gardener Apprenticeship [Each course is worth 1 credit.] ❶— Natural Resources (NAT)

LGA3405	Landscape Equipment	LGA3460	Site Preparation
LGA3410	Soils 1	LGA3465	Turf
LGA3415	Soils 2	LGA3470	Woody Plants
LGA3420	Plant Identification	LGA3475	LGA Practicum A
LGA3425	Plant Taxonomy	LGA3480	LGA Practicum B
LGA3430	Plants & Landscape	LGA3485	LGA Practicum C
LGA3435	Botany 1	LGA3490	LGA Practicum D
LGA3440	Botany 2	LGA3900	Apprenticeship Safety
LGA3445	Greenhouse Environment		
LGA3450	Greenhouse Production		
LGA3455	Greenhouse System		

Legal Studies [Each course is worth 1 credit.] ❶—Health, Recreation & Human Services (HRH)

LGS1010	Private Law	LGS2950	LGS Intermediate Practicum
LGS1020	Public Law	LGS3010	Property Law
LGS1030	Relationship Law	LGS3020	Dispute Resolution
LGS1910	LGS Project A	LGS3040	Negligence
LGS2010	Family Law	LGS3050	Small Business Law
LGS2020	Employment Law	LGS3060	Controversy & Change
LGS2030	Environmental Law	LGS3070	Landmark Decisions
LGS2040	Aboriginal Law	LGS3080	Criminal Law
LGS2050	Law & the Traveller	LGS3910	LGS Project D
LGS2910	LGS Project B	LGS3920	LGS Project E
LGS2920	LGS Project C	LGS3950	LGS Advanced Practicum

Logistics [Each course is worth 1 credit.] ❶—Trades, Manufacturing & Transportation (TMT)

LOG1010	Logistics	LOG2920	LOG Project C
LOG1020	Warehouse & Distribute 1	LOG2950	LOG Intermediate Practicum
LOG1030	Traffic & Transport 1	LOG3010	Warehouse & Distribute 3
LOG1040	Purchasing 1	LOG3020	Traffic & Transport 3
LOG1910	LOG Project A	LOG3030	Purchasing 3
LOG2010	Warehouse & Distribute 2	LOG3040	Inventory Management 2
LOG2020	Traffic & Transport 2	LOG3910	LOG Project D
LOG2030	Purchasing 2	LOG3920	LOG Project E
LOG2040	Inventory Management 1	LOG3950	LOG Advanced Practicum
LOG2910	LOG Project B		

(continued)

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CAREER AND TECHNOLOGY STUDIES★**Management and Marketing** [Each course is worth 1 credit.] ❶—Business, Administration, Finance & Information Technology (BIT)

MAM1010	Marketing & Management	MAM2950	MAM Intermediate Practicum
MAM1020	Quality Customer Service	MAM3010	The Business Organization
MAM1030	Communication Strategies 1	MAM3020	Business in the Canadian Economy
MAM1040	E-commerce 1	MAM3030	Business in the Global Marketplace
MAM1050	Agriculture Consumer Products & Services	MAM3040	Promotion – Sales Techniques
MAM1910	MAM Project A	MAM3050	Distributing Goods & Services
MAM2010	Managing for Quality	MAM3060	Setting Up a Retail Store
MAM2030	Visual Merchandising	MAM3070	Office Systems 2
MAM2040	Retail Operations	MAM3080	Communication Strategies 3
MAM2050	Office Systems 1	MAM3090	Records Management 2
MAM2055	Office Administration	MAM3100	Promotion – Broadcast Advertising
MAM2060	Communication Strategies 2	MAM3120	E-commerce 3
MAM2065	Professional Communication	MAM3130	Agriculture Marketing
MAM2080	Records Management 1	MAM3140	Energy & Resources Market Basics & Trends
MAM2090	Promotion – Print Advertising	MAM3150	The Forest Marketplace
MAM2110	E-commerce 2	MAM3910	MAM Project D
MAM2130	Energy & Resources Supply & Distribution	MAM3920	MAM Project E
MAM2910	MAM Project B	MAM3950	MAM Advanced Practicum
MAM2920	MAM Project C		

Mechanics [Each course is worth 1 credit.] ❶—Trades, Manufacturing & Transportation (TMT)

MEC1010	Modes & Mechanisms	MEC2210	Touch-up & Finishing
MEC1015	Mechanics Tools & Materials	MEC2220	Interior Repairs
MEC1020	Vehicle Service & Care	MEC2910	MEC Project B
MEC1040	Engine Fundamentals	MEC2920	MEC Project C
MEC1090	Electrical Fundamentals	MEC2950	MEC Intermediate Practicum
MEC1110	Pneumatics & Hydraulics	MEC3010	Buying & Selling Vehicles
MEC1130	Mechanical Systems	MEC3020	Vehicle Value Appraisal
MEC1150	Ride & Control Systems	MEC3030	Engine Diagnosis
MEC1160	Structures & Materials	MEC3040	Engine Tune-up
MEC1165	Mechanics Welding Fundamentals	MEC3050	Engine Replacement
MEC1170	Metal Forming & Finishing	MEC3060	Engine Reconditioning – Head
MEC1190	Surface Preparation 1	MEC3070	Engine Reconditioning – Block
MEC1910	MEC Project A	MEC3080	Alternative Energy Systems
MEC2010	Vehicle Detailing	MEC3090	Computer Systems
MEC2020	Vehicle Maintenance	MEC3100	Safety Systems
MEC2030	Lubrication & Cooling	MEC3110	Climate Control
MEC2040	Fuel & Exhaust Systems	MEC3120	Power Assisting
MEC2050	Alternative Fuel Engines	MEC3130	Automatic Transmissions
MEC2060	Ignition Systems	MEC3140	Drive Train Repair
MEC2070	Emission Controls	MEC3150	Wheel Alignment
MEC2090	Electrical Components	MEC3160	Body Repair Estimation
MEC2100	Power Assist Accessories	MEC3170	Damage Analysis
MEC2110	Braking Systems	MEC3180	Damage Repair 1
MEC2120	Hydraulic Accessories	MEC3190	Damage Repair 2
MEC2130	Drive Line	MEC3200	Refinishing 2
MEC2140	Transmissions/Transaxles	MEC3210	Plastic & Fibreglass
MEC2150	Suspension Systems	MEC3220	Glass Replacement
MEC2160	Steering Systems	MEC3230	Refinishing 3
MEC2170	Metal Repair & Finishing	MEC3910	MEC Project D
MEC2180	Trim Replacement	MEC3920	MEC Project E
MEC2190	Surface Preparation 2	MEC3950	MEC Advanced Practicum
MEC2200	Refinishing 1		

(continued)

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CAREER AND TECHNOLOGY STUDIES★**Millwright Apprenticeship** [Each course is worth 1 credit.] ❶—Trades, Manufacturing & Transportation (TMT)

MWA3400	Rigging	MWA3445	Numbers
MWA3405	Measurement	MWA3450	Mathematics
MWA3410	Layout	MWA3455	Print Reading
MWA3415	Portable Tools	MWA3460	MWA Practicum A
MWA3420	Fasteners	MWA3465	MWA Practicum B
MWA3425	Drilling & Milling	MWA3470	MWA Practicum C
MWA3430	Lathe Introduction	MWA3475	MWA Practicum D
MWA3435	Lathe Operation	MWA3900	Apprenticeship Safety
MWA3440	Machine Installation		

Networking [Each course is worth 1 credit.] ❶—Business, Administration, Finance & Information Technology (BIT)

NET1010	Digital Technology 1	NET3010	Digital Technology 3
NET1910	NET Project A	NET3020	Digital Applications
NET2010	Digital Technology 2	NET3030	Microprocessors
NET2020	Workstation Technology & Operations	NET3040	Microprocessor Interface
NET2030	Network Structures	NET3050	Network Operating Systems
NET2040	Network Media & Devices	NET3060	Wide Area Networks
NET2050	Open System Interconnection	NET3070	Routing Fundamentals
NET2060	Network Protocols	NET3080	Internet Processes
NET2070	Local Area Networks	NET3090	Network Management
NET2080	Laptops & Peripherals	NET3100	Network Media & Devices, Security
NET2110	Telecommunications 1	NET3110	Telecommunications 2
NET2910	NET Project B	NET3910	NET Project D
NET2920	NET Project C	NET3920	NET Project E
NET2950	NET Intermediate Practicum	NET3950	NET Advanced Practicum

Painter and Decorator Apprenticeship [Each course is worth 1 credit.] ❶—Trades, Manufacturing & Transportation (TMT)

PDA3400	Material Selection	PDA3445	Spraying Theory
PDA3405	Surface Prep Theory 1	PDA3450	Spraying Procedures
PDA3410	Surface Prep Theory 2	PDA3455	Trade Math
PDA3415	Surface Prep 1	PDA3460	Trade Geometry
PDA3420	Surface Prep 2	PDA3465	PDA Practicum A
PDA3425	Colour	PDA3470	PDA Practicum B
PDA3430	Painting Theory	PDA3475	PDA Practicum C
PDA3435	Painting Application 1	PDA3480	PDA Practicum D
PDA3440	Painting Application 2	PDA3900	Apprenticeship Safety

Parts Technician Apprenticeship [Each course is worth 1 credit.] ❶—Trades, Manufacturing & Transportation (TMT)

PTA3400	Material Handling	PTA3440	Communication
PTA3405	Storage & Packing	PTA3445	Customer Service
PTA3410	Shipping & Returns	PTA3450	PTA Practicum A
PTA3415	Merchandising	PTA3455	PTA Practicum B
PTA3420	Measurement & Stock	PTA3460	PTA Practicum C
PTA3425	Electrical Basics	PTA3465	PTA Practicum D
PTA3430	Suspension & Wheels	PTA3900	Apprenticeship Safety
PTA3435	Steering & Brakes		

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CAREER AND TECHNOLOGY STUDIES★

Plumber Apprenticeship [Each course is worth 1 credit.] ❶—Trades, Manufacturing & Transportation (TMT)

PLA3405	Tools & Equipment	PLA3455	Gas Fundamentals
PLA3410	Nonferrous Materials	PLA3460	Gas Theory
PLA3415	Ferrous Materials	PLA3465	Plumbing Mathematics
PLA3420	Welded & Flanged Materials	PLA3470	Plumbing Science
PLA3425	Historic Materials	PLA3475	Print Reading
PLA3430	Residential Plumbing	PLA3480	PLA Practicum A
PLA3435	Drainage & Venting	PLA3485	PLA Practicum B
PLA3440	Fixtures & Trim	PLA3490	PLA Practicum C
PLA3445	Heating	PLA3495	PLA Practicum D
PLA3450	Heating Installation	PLA3900	Apprenticeship Safety

Power Engineering [Each course is worth 1 credit.] ❶—Trades, Manufacturing & Transportation (TMT)

Note: New course code numbers as of September 1, 2016. (4000 and 5000 number series for Power engineering was end dated August 31, 2016)

4th Class Power Engineering

PEN3500	Math & Mechanics	PEN3565	Heating Boilers
PEN3505	Science Principles	PEN3570	Heating Systems
PEN3510	Foundations	PEN3575	System Controls
PEN3515	Safety	PEN3580	Refrigeration 1
PEN3520	Environmental Impact	PEN3585	Refrigeration 2
PEN3525	Materials & Welding	PEN3590	Air Conditioning 1
PEN3530	Boiler Construction	PEN3595	Air Conditioning 2
PEN3535	Draft, Valves & Gauges	PEN3600	Boiler Maintenance
PEN3540	Boiler Operation	PEN3605	PEN Practicum A
PEN3545	Engines & Turbines	PEN3610	PEN Practicum B
PEN3550	Pumps	PEN3615	PEN Practicum C
PEN3555	Electricity	PEN3620	PEN Practicum D
PEN3560	Instrumentation		

5th Class Power Engineering

PEN3400	Safety & Codes	PEN3440	Refrigeration Theory
PEN3405	Applied Science	PEN3445	Heating & Cooling
PEN3410	Electricity & Welding	PEN3450	AC & Refrigeration
PEN3415	Plumbing & Piping	PEN3455	Pumps & Compression
PEN3420	Boiler Details	PEN3460	Water Treatment
PEN3425	Boiler Operation	PEN3465	PEN Practicum A
PEN3430	Heating Systems	PEN3470	PEN Practicum B
PEN3435	Human Comfort		

Primary Resources [Each course is worth 1 credit.] ❶—Natural Resources (NAT)

PRS1010	Overview of Alberta Geology	PRS2920	PRS Project C
PRS1020	Nonrenewable Resources	PRS2950	PRS Intermediate Practicum
PRS1050	Renewable Resources	PRS3020	Conventional Oil/Gas Recovery & Production
PRS1060	Consumer Products & Services	PRS3030	Non-conventional Hydrocarbons Recovery & Production
PRS1910	PRS Project A	PRS3040	Metals/Nonmetals Recovery & Production
PRS2020	Conventional Oil/Gas Exploration	PRS3060	Petrochemicals
PRS2030	Non-conventional Hydrocarbons Exploration	PRS3070	Industrial Materials
PRS2040	Metals/Nonmetals Exploration	PRS3910	PRS Project D
PRS2060	Refining Hydrocarbons	PRS3920	PRS Project E
PRS2070	Refining Rocks & Minerals	PRS3950	PRS Advanced Practicum
PRS2910	PRS Project B		

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CAREER AND TECHNOLOGY STUDIES★

Recreation Leadership [Each course is worth 1 credit.] ①—Health, Recreation & Human Services (HRH)

REC1020	Injury Management 1	REC3015	Flexibility Training
REC1030	Technical Foundations for Injury Management	REC3020	Injury Management 3
REC1040	Foundations for Training 1	REC3025	Cardiovascular Training
REC1045	Group Exercise Trends	REC3030	Speed & Agility
REC1050	Sport Psychology 1	REC3040	Training & Conditioning
REC1910	REC Project A	REC3045	Periodization
REC2010	Nutrition for Recreation Activities & Sport	REC3050	Sport Psychology 3
REC2015	Athletic Development	REC3060	Ever Active Kids Leadership
REC2020	Injury Management 2	REC3070	Fitness Instruction Leadership Principles
REC2030	Anatomy of Joints	REC3080	Resistance Training Leadership
REC2040	Foundations for Training 2	REC3085	Olympic Weightlifting
REC2045	Training for Core Muscles	REC3090	Aquatic Fitness Training Leadership
REC2050	Sport Psychology 2	REC3100	Fitness Leadership for the Older Adult
REC2060	Leadership in Recreation & Sport	REC3110	Group Exercise Leadership
REC2070	Functional Independence Training Program Leader	REC3120	Coaching 2
REC2120	Coaching 1	REC3130	Officiating
REC2910	REC Project B	REC3140	Sport & Society
REC2920	REC Project C	REC3910	REC Project D
REC2950	REC Intermediate Practicum	REC3920	REC Project E
REC3010	Human Movement	REC3950:	REC Advanced Practicum

Tourism Studies [Each course is worth 1 credit.] ①—Health, Recreation & Human Services (HRH)

TOU1010	The Tourism Sector	TOU2910	TOU Project B
TOU1030	Quality Guest Service	TOU2920	TOU Project C
TOU1040	Food & Beverage Industry	TOU2950	TOU Intermediate Practicum
TOU1050	The Accommodation Industry	TOU3000	Tourism Essentials
TOU1060	The Travel Industry	TOU3010	Food & Beverage Functions
TOU1070	The Attractions Industry	TOU3020	Food & Beverage Manager
TOU1120	Adventure & Ecotourism 1	TOU3040	Accommodations Operations
TOU1910	TOU Project A	TOU3060	Destination Management
TOU2010	Event Management	TOU3080	Air Transportation
TOU2040	Food & Beverage Service	TOU3090	Surface Transportation
TOU2050	Meetings & Conferences	TOU3120	Adventure & Ecotourism 3
TOU2060	Travel Destinations 1	TOU3910	TOU Project D
TOU2070	Travel Destinations 2	TOU3920	TOU Project E
TOU2080	Travel Planning	TOU3950	TOU Advanced Practicum
TOU2120	Adventure & Ecotourism 2		

Welder Apprenticeship [Each course is worth 1 credit.] ①—Trades, Manufacturing & Transportation (TMT)

WDA3401	Tools & Equipment	WDA3427	Mild Steel Pipe Welds
WDA3403	Oxyfuel & Plasma Arc	WDA3429	Aluminum & Saw
WDA3406	Electricity & Metals	WDA3432	Welding Math 1
WDA3407	Symbols & Drawings	WDA3437	Welding Math 2
WDA3408	Weld Faults	WDA3445	WDA Practicum A
WDA3411	Wire-feed Welding	WDA3450	WDA Practicum B
WDA3413	Gases & Maintenance	WDA3455	WDA Practicum C
WDA3415	GMAW on Mild Steel	WDA3460	WDA Practicum D
WDA3420	FCAW & MCAW on Mild Steel	WDA3900	Apprenticeship Safety
WDA3423	Mild Steel Welds		

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CAREER AND TECHNOLOGY STUDIES★

Wildlife [Each course is worth 1 credit.] ①—Natural Resources (NAT)

WLD1010	Introduction to Wildlife	WLD2090	Issues in Wildlife
WLD1020	Wildlife Diversity	WLD2100	Outdoor Cooking Practice
WLD1050	People, Culture & Wildlife Heritage	WLD2130	Outdoor Excursion
WLD1060	Wilderness Navigation	WLD2910	WLD Project B
WLD1070	Hunting & Game Management Theory	WLD2920	WLD Project C
WLD1075	Bowhunting Education	WLD2950	WLD Intermediate Practicum
WLD1080	Angling & Fish Management Theory	WLD3020	Wildlife Protection & Stewardship
WLD1090	Boating Safety	WLD3040	Wildlife Management Research Study
WLD1100	Outdoor Cooking Theory	WLD3050	Wildlife Management Principles
WLD1130	Outdoor Survival Skills	WLD3060	Wildlife Management Applications
WLD1910	WLD Project A	WLD3090	Analyzing Issues in Wildlife
WLD2020	Diversity of Wildlife Values	WLD3130	Outdoor Leadership
WLD2040	Wildlife Spaces & Species	WLD3140	Introduction to Guiding
WLD2060	Wildlife & Society	WLD3910	WLD Project D
WLD2070	Hunting & Game Management Practice	WLD3920	WLD Project E
WLD2080	Angling & Fish Management Practice	WLD3950	WLD Advanced Practicum

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Registered Apprenticeship Program (RAP) Course Codes and Course Names

The Registered Apprenticeship Program (RAP) is a program in which students spend part of their time in school and part in industry as registered apprentices in one of the designated trades. Students enrolled in RAP courses are counted as full-time high school students and as registered apprentices.

To enter the program, students must be in senior high school and meet the grade entrance requirement to the selected trade or pass the trade entrance examination. Students enrolling in RAP must be registered with both the Programs of Study and Resources Sector – Citizenship and Career Pathways, and Apprenticeship and Industry Training. Complete details about apprenticeship can be found at www.tradesecrets.gov.ab.ca.

RAP courses are classified as locally developed courses. School authorities intending to offer this program should refer to the [Off-campus Education Handbook](#) for further information.

Note: Courses approved during the 2015–2016 school year will be shown with a colour-shaded background.

Grade 10	Grade 11	Grade 12
REGISTERED APPRENTICESHIP PROGRAM (RAP)		
RAP4164 Agricultural Equipment Technician 15 ❶ (5)	RAP5164 Agricultural Equipment Technician 25A ❶ (5)	RAP6164 Agricultural Equipment Technician 35A ❶ (5)
	RAP5165 Agricultural Equipment Technician 25B ❶ (5)	RAP6165 Agricultural Equipment Technician 35B ❶ (5)
	RAP5166 Agricultural Equipment Technician 25C ❶ (5)	RAP6166 Agricultural Equipment Technician 35C ❶ (5)
		RAP6167 Agricultural Equipment Technician 35D ❶ (5)
RAP1659 Appliance Service Technician 15 (5)	RAP2659 Appliance Service Technician 25A (5)	RAP3659 Appliance Service Technician 35A (5)
	RAP2660 Appliance Service Technician 25B (5)	RAP3660 Appliance Service Technician 35B (5)
	RAP2661 Appliance Service Technician 25C (5)	RAP3661 Appliance Service Technician 35C (5)
		RAP3662 Appliance Service Technician 35D (5)
RAP1992 Auto Body Technician 15 (5)	RAP2992 Auto Body Technician 25A (5)	RAP3992 Auto Body Technician 35A (5)
	RAP2993 Auto Body Technician 25B (5)	RAP3993 Auto Body Technician 35B (5)
	RAP2994 Auto Body Technician 25C (5)	RAP3994 Auto Body Technician 35C (5)
		RAP3995 Auto Body Technician 35D (5)
RAP1762 Automotive Service Technician 15 (5)	RAP2762 Automotive Service Technician 25A (5)	RAP3762 Automotive Service Technician 35A (5)
	RAP2763 Automotive Service Technician 25B (5)	RAP3763 Automotive Service Technician 35B (5)
	RAP2764 Automotive Service Technician 25C (5)	RAP3764 Automotive Service Technician 35C (5)
		RAP3765 Automotive Service Technician 35D (5)

(continued)

❶ Formerly Agricultural Mechanic.

Grade 10	Grade 11	Grade 12
REGISTERED APPRENTICESHIP PROGRAM (RAP) (continued)		
RAP4100 Baker 15 (5)	RAP5100 Baker 25A (5) RAP5101 Baker 25B (5) RAP5102 Baker 25C (5)	RAP6100 Baker 35A (5) RAP6101 Baker 35B (5) RAP6102 Baker 35C (5) RAP6103 Baker 35D (5)
RAP4168 Boilermaker 15 (5)	RAP5168 Boilermaker 25A (5) RAP5169 Boilermaker 25B (5) RAP5170 Boilermaker 25C (5)	RAP6168 Boilermaker 35A (5) RAP6169 Boilermaker 35B (5) RAP6170 Boilermaker 35C (5) RAP6171 Boilermaker 35D (5)
RAP4172 Bricklayer 15 (5)	RAP5172 Bricklayer 25A (5) RAP5173 Bricklayer 25B (5) RAP5174 Bricklayer 25C (5)	RAP6172 Bricklayer 35A (5) RAP6173 Bricklayer 35B (5) RAP6174 Bricklayer 35C (5) RAP6175 Bricklayer 35D (5)
RAP4104 Cabinetmaker 15 (5)	RAP5104 Cabinetmaker 25A (5) RAP5105 Cabinetmaker 25B (5) RAP5106 Cabinetmaker 25C (5)	RAP6104 Cabinetmaker 35A (5) RAP6105 Cabinetmaker 35B (5) RAP6106 Cabinetmaker 35C (5) RAP6107 Cabinetmaker 35D (5)
RAP4108 Carpenter 15 (5)	RAP5108 Carpenter 25A (5) RAP5109 Carpenter 25B (5) RAP5110 Carpenter 25C (5)	RAP6108 Carpenter 35A (5) RAP6109 Carpenter 35B (5) RAP6110 Carpenter 35C (5) RAP6111 Carpenter 35D (5)
RAP4180 Communication Technician 15 ❶ (5)	RAP5180 Communication Technician 25A ❶ (5) RAP5181 Communication Technician 25B ❶ (5) RAP5182 Communication Technician 25C ❶ (5)	RAP6180 Communication Technician 35A ❶ (5) RAP6181 Communication Technician 35B ❶ (5) RAP6182 Communication Technician 35C ❶ (5) RAP6183 Communication Technician 35D ❶ (5)
RAP4176 Concrete Finisher 15 (5)	RAP5176 Concrete Finisher 25A (5) RAP5177 Concrete Finisher 25B (5) RAP5178 Concrete Finisher 25C (5)	RAP6176 Concrete Finisher 35A (5) RAP6177 Concrete Finisher 35B (5) RAP6178 Concrete Finisher 35C (5) RAP6179 Concrete Finisher 35D (5)
RAP4112 Cook 15 (5)	RAP5112 Cook 25A (5) RAP5113 Cook 25B (5) RAP5114 Cook 25C (5)	RAP6112 Cook 35A (5) RAP6113 Cook 35B (5) RAP6114 Cook 35C (5) RAP6115 Cook 35D (5)
RAP4184 Crane and Hoisting Equipment Operator 15 (5)	RAP5184 Crane and Hoisting Equipment Operator 25A (5) RAP5185 Crane and Hoisting Equipment Operator 25B (5) RAP5186 Crane and Hoisting Equipment Operator 25C (5)	RAP6184 Crane and Hoisting Equipment Operator 35A (5) RAP6185 Crane and Hoisting Equipment Operator 35B (5) RAP6186 Crane and Hoisting Equipment Operator 35C (5) RAP6187 Crane and Hoisting Equipment Operator 35D (5)
RAP4116 Electrical Motor Systems Technician 15 ❷ (5)	RAP5116 Electrical Motor Systems Technician 25A ❷ (5) RAP5117 Electrical Motor Systems Technician 25B ❷ (5) RAP5118 Electrical Motor Systems Technician 25C ❷ (5)	RAP6116 Electrical Motor Systems Technician 35A ❷ (5) RAP6117 Electrical Motor Systems Technician 35B ❷ (5) RAP6118 Electrical Motor Systems Technician 35C ❷ (5) RAP6119 Electrical Motor Systems Technician 35D ❷ (5)
RAP1758 Electrician 15 (5)	RAP2758 Electrician 25A (5) RAP2759 Electrician 25B (5) RAP2760 Electrician 25C (5)	RAP3758 Electrician 35A (5) RAP3759 Electrician 35B (5) RAP3760 Electrician 35C (5) RAP3761 Electrician 35D (5)

❶ Formerly Communication Electrician.

❷ Formerly Electrical Rewind Mechanic.

(continued)

Grade 10	Grade 11	Grade 12
REGISTERED APPRENTICESHIP PROGRAM (RAP) (continued)		
RAP4256 Elevator Constructor 15(5)	RAP5256 Elevator Constructor 25A (5) RAP5257 Elevator Constructor 25B (5) RAP5258 Elevator Constructor 25C (5)	RAP6256 Elevator Constructor 35A (5) RAP6257 Elevator Constructor 35B (5) RAP6258 Elevator Constructor 35C (5) RAP6259 Elevator Constructor 35D (5)
RAP4120 Floorcovering Installer 15(5)	RAP5120 Floorcovering Installer 25A (5) RAP5121 Floorcovering Installer 25B (5) RAP5122 Floorcovering Installer 25C (5)	RAP6120 Floorcovering Installer 35A (5) RAP6121 Floorcovering Installer 35B (5) RAP6122 Floorcovering Installer 35C (5) RAP6123 Floorcovering Installer 35D (5)
RAP4124 Gasfitter—First Class 15(5)	RAP5124 Gasfitter—First Class 25A (5) RAP5125 Gasfitter—First Class 25B (5) RAP5126 Gasfitter—First Class 25C (5)	RAP6124 Gasfitter—First Class 35A (5) RAP6125 Gasfitter—First Class 35B (5) RAP6126 Gasfitter—First Class 35C (5) RAP6127 Gasfitter—First Class 35D (5)
RAP4128 Glazier 15(5)	RAP5128 Glazier 25A (5) RAP5129 Glazier 25B (5) RAP5130 Glazier 25C (5)	RAP6128 Glazier 35A (5) RAP6129 Glazier 35B (5) RAP6130 Glazier 35C (5) RAP6131 Glazier 35D (5)
RAP1853 Hairstylist 15(5)	RAP2853 Hairstylist 25A (5) RAP2854 Hairstylist 25B (5) RAP2855 Hairstylist 25C (5)	RAP3853 Hairstylist 35A (5) RAP3854 Hairstylist 35B (5) RAP3855 Hairstylist 35C (5) RAP3856 Hairstylist 35D (5)
RAP1988 Heavy Equipment Technician 15(5)	RAP2988 Heavy Equipment Technician 25A (5) RAP2989 Heavy Equipment Technician 25B (5) RAP2990 Heavy Equipment Technician 25C (5)	RAP3988 Heavy Equipment Technician 35A (5) RAP3989 Heavy Equipment Technician 35B (5) RAP3990 Heavy Equipment Technician 35C (5) RAP3991 Heavy Equipment Technician 35D (5)
RAP4132 Instrument Technician 15(5)	RAP5132 Instrument Technician 25A (5) RAP5133 Instrument Technician 25B (5) RAP5134 Instrument Technician 25C (5)	RAP6132 Instrument Technician 35A (5) RAP6133 Instrument Technician 35B (5) RAP6134 Instrument Technician 35C (5) RAP6135 Instrument Technician 35D (5)
RAP4136 Insulator 15(5)	RAP5136 Insulator 25A (5) RAP5137 Insulator 25B (5) RAP5138 Insulator 25C (5)	RAP6136 Insulator 35A (5) RAP6137 Insulator 35B (5) RAP6138 Insulator 35C (5) RAP6139 Insulator 35D (5)
RAP4188 Ironworker 15(5)	RAP5188 Ironworker 25A (5) RAP5189 Ironworker 25B (5) RAP5190 Ironworker 25C (5)	RAP6188 Ironworker 35A (5) RAP6189 Ironworker 35B (5) RAP6190 Ironworker 35C (5) RAP6191 Ironworker 35D (5)
RAP4192 Landscape Gardener 15(5)	RAP5192 Landscape Gardener 25A (5) RAP5193 Landscape Gardener 25B (5) RAP5194 Landscape Gardener 25C (5)	RAP6192 Landscape Gardener 35A (5) RAP6193 Landscape Gardener 35B (5) RAP6194 Landscape Gardener 35C (5) RAP6195 Landscape Gardener 35D (5)
RAP4196 Lather-Interior Systems Mechanic 15(5)	RAP5196 Lather-Interior Systems Mechanic 25A (5) RAP5197 Lather-Interior Systems Mechanic 25B (5) RAP5198 Lather-Interior Systems Mechanic 25C (5)	RAP6196 Lather-Interior Systems Mechanic 35A (5) RAP6197 Lather-Interior Systems Mechanic 35B (5) RAP6198 Lather-Interior Systems Mechanic 35C (5) RAP6199 Lather-Interior Systems Mechanic 35D (5)

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Grade 10	Grade 11	Grade 12
REGISTERED APPRENTICESHIP PROGRAM (RAP) (continued)		
RAP4260 Locksmith 15(5)	RAP5260 Locksmith 25A(5) RAP5261 Locksmith 25B(5) RAP5262 Locksmith 25C(5)	RAP6260 Locksmith 35A(5) RAP6261 Locksmith 35B(5) RAP6262 Locksmith 35C(5) RAP6263 Locksmith 35D(5)
RAP4140 Machinist 15(5)	RAP5140 Machinist 25A(5) RAP5141 Machinist 25B(5) RAP5142 Machinist 25C(5)	RAP6140 Machinist 35A(5) RAP6141 Machinist 35B(5) RAP6142 Machinist 35C(5) RAP6143 Machinist 35D(5)
RAP4144 Millwright 15(5)	RAP5144 Millwright 25A(5) RAP5145 Millwright 25B(5) RAP5146 Millwright 25C(5)	RAP6144 Millwright 35A(5) RAP6145 Millwright 35B(5) RAP6146 Millwright 35C(5) RAP6147 Millwright 35D(5)
RAP1646 Motorcycle Mechanic 15(5)	RAP2646 Motorcycle Mechanic 25A(5) RAP2647 Motorcycle Mechanic 25B(5) RAP2648 Motorcycle Mechanic 25C(5)	RAP3646 Motorcycle Mechanic 35A(5) RAP3647 Motorcycle Mechanic 35B(5) RAP3648 Motorcycle Mechanic 35C(5) RAP3649 Motorcycle Mechanic 35D(5)
RAP4320 Natural Gas Compression Technician 15.....(5)	RAP5320 Natural Gas Compression Technician 25A(5) RAP5321 Natural Gas Compression Technician 25B.....(5) RAP5322 Natural Gas Compression Technician 25C.....(5)	RAP6320 Natural Gas Compression Technician 35A(5) RAP6321 Natural Gas Compression Technician 35B.....(5) RAP6322 Natural Gas Compression Technician 35C.....(5) RAP6323 Natural Gas Compression Technician 35D(5)
RAP4284 Outdoor Power Equipment Technician 15.....(5)	RAP5284 Outdoor Power Equipment Technician 25A(5) RAP5285 Outdoor Power Equipment Technician 25B.....(5) RAP5286 Outdoor Power Equipment Technician 25C.....(5)	RAP6284 Outdoor Power Equipment Technician 35A(5) RAP6285 Outdoor Power Equipment Technician 35B.....(5) RAP6286 Outdoor Power Equipment Technician 35C.....(5) RAP6287 Outdoor Power Equipment Technician 35D(5)
RAP4148 Painter and Decorator 15.....(5)	RAP5148 Painter and Decorator 25A(5) RAP5149 Painter and Decorator 25B.....(5) RAP5150 Painter and Decorator 25C.....(5)	RAP6148 Painter and Decorator 35A(5) RAP6149 Painter and Decorator 35B.....(5) RAP6150 Painter and Decorator 35C.....(5) RAP6151 Painter and Decorator 35D(5)
RAP1655 Parts Technician 15 ❶(5)	RAP2655 Parts Technician 25A ❶(5) RAP2656 Parts Technician 25B ❶(5) RAP2657 Parts Technician 25C ❶(5)	RAP3655 Parts Technician 35A ❶(5) RAP3656 Parts Technician 35B ❶(5) RAP3657 Parts Technician 35C ❶(5) RAP3658 Parts Technician 35D ❶(5)
RAP4152 Plumber 15.....(5)	RAP5152 Plumber 25A.....(5) RAP5153 Plumber 25B.....(5) RAP5154 Plumber 25C.....(5)	RAP6152 Plumber 35A.....(5) RAP6153 Plumber 35B.....(5) RAP6154 Plumber 35C.....(5) RAP6155 Plumber 35D.....(5)
RAP4204 Power Lineman 15(5)	RAP5204 Power Lineman 25A.....(5) RAP5205 Power Lineman 25B(5) RAP5206 Power Lineman 25C(5)	RAP6204 Power Lineman 35A.....(5) RAP6205 Power Lineman 35B(5) RAP6206 Power Lineman 35C(5) RAP6207 Power Lineman 35D.....(5)
RAP4208 Power System Electrician 15(5)	RAP5208 Power System Electrician 25A.....(5) RAP5209 Power System Electrician 25B(5) RAP5210 Power System Electrician 25C.....(5)	RAP6208 Power System Electrician 35A.....(5) RAP6209 Power System Electrician 35B(5) RAP6210 Power System Electrician 35C(5) RAP6211 Power System Electrician 35D.....(5)

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❶ Formerly Partsman.

Grade 10	Grade 11	Grade 12
REGISTERED APPRENTICESHIP PROGRAM (RAP) (continued)		
RAP4280 Recreation Vehicle Service Technician 15 (5)	RAP5280 Recreation Vehicle Service Technician 25A (5) RAP5281 Recreation Vehicle Service Technician 25B (5) RAP5282 Recreation Vehicle Service Technician 25C (5)	RAP6280 Recreation Vehicle Service Technician 35A (5) RAP6281 Recreation Vehicle Service Technician 35B (5) RAP6282 Recreation Vehicle Service Technician 35C (5) RAP6283 Recreation Vehicle Service Technician 35D (5)
RAP4156 Refrigeration and Air Conditioning Mechanic 15 (5)	RAP5156 Refrigeration and Air Conditioning Mechanic 25A (5) RAP5157 Refrigeration and Air Conditioning Mechanic 25B (5) RAP5158 Refrigeration and Air Conditioning Mechanic 25C (5)	RAP6156 Refrigeration and Air Conditioning Mechanic 35A (5) RAP6157 Refrigeration and Air Conditioning Mechanic 35B (5) RAP6158 Refrigeration and Air Conditioning Mechanic 35C (5) RAP6159 Refrigeration and Air Conditioning Mechanic 35D (5)
RAP4300 Rig Technician 15..... (5)	RAP5300 Rig Technician 25A (5) RAP5301 Rig Technician 25B..... (5) RAP5302 Rig Technician 25C..... (5)	RAP6300 Rig Technician 35A (5) RAP6301 Rig Technician 35B..... (5) RAP6302 Rig Technician 35C..... (5) RAP6303 Rig Technician 35D (5)
RAP4224 Roofer 15..... (5)	RAP5224 Roofer 25A (5) RAP5225 Roofer 25B..... (5) RAP5226 Roofer 25C..... (5)	RAP6224 Roofer 35A (5) RAP6225 Roofer 35B..... (5) RAP6226 Roofer 35C..... (5) RAP6227 Roofer 35D (5)
RAP4228 Sawfiler 15 (5)	RAP5228 Sawfiler 25A (5) RAP5229 Sawfiler 25B (5) RAP5230 Sawfiler 25C (5)	RAP6228 Sawfiler 35A (5) RAP6229 Sawfiler 35B (5) RAP6230 Sawfiler 35C (5) RAP6231 Sawfiler 35D (5)
RAP4232 Sheet Metal Worker 15..... (5)	RAP5232 Sheet Metal Worker 25A..... (5) RAP5233 Sheet Metal Worker 25B..... (5) RAP5234 Sheet Metal Worker 25C..... (5)	RAP6232 Sheet Metal Worker 35A..... (5) RAP6233 Sheet Metal Worker 35B..... (5) RAP6234 Sheet Metal Worker 35C..... (5) RAP6235 Sheet Metal Worker 35D..... (5)
RAP4236 Sprinkler Systems Installer 15..... (5)	RAP5236 Sprinkler Systems Installer 25A..... (5) RAP5237 Sprinkler Systems Installer 25B..... (5) RAP5238 Sprinkler Systems Installer 25C..... (5)	RAP6236 Sprinkler Systems Installer 35A..... (5) RAP6237 Sprinkler Systems Installer 35B..... (5) RAP6238 Sprinkler Systems Installer 35C..... (5) RAP6239 Sprinkler Systems Installer 35D..... (5)
RAP4160 Steamfitter–Pipefitter 15 (5)	RAP5160 Steamfitter–Pipefitter 25A (5) RAP5161 Steamfitter–Pipefitter 25B..... (5) RAP5162 Steamfitter–Pipefitter 25C..... (5)	RAP6160 Steamfitter–Pipefitter 35A (5) RAP6161 Steamfitter–Pipefitter 35B..... (5) RAP6162 Steamfitter–Pipefitter 35C (5) RAP6163 Steamfitter–Pipefitter 35D (5)
RAP4240 Structural Steel and Plate Fitter 15 (5)	RAP5240 Structural Steel and Plate Fitter 25A (5) RAP5241 Structural Steel and Plate Fitter 25B (5) RAP5242 Structural Steel and Plate Fitter 25C (5)	RAP6240 Structural Steel and Plate Fitter 35A (5) RAP6241 Structural Steel and Plate Fitter 35B (5) RAP6242 Structural Steel and Plate Fitter 35C (5) RAP6243 Structural Steel and Plate Fitter 35D (5)
RAP4244 Tilesetter 15..... (5)	RAP5244 Tilesetter 25A..... (5) RAP5245 Tilesetter 25B..... (5) RAP5246 Tilesetter 25C..... (5)	RAP6244 Tilesetter 35A..... (5) RAP6245 Tilesetter 35B (5) RAP6246 Tilesetter 35C..... (5) RAP6247 Tilesetter 35D..... (5)

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Grade 10	Grade 11	Grade 12
REGISTERED APPRENTICESHIP PROGRAM (RAP) (continued)		
RAP4248 Tool and Die Maker 15 (5)	RAP5248 Tool and Die Maker 25A(5) RAP5249 Tool and Die Maker 25B.....(5) RAP5250 Tool and Die Maker 25C.....(5)	RAP6248 Tool and Die Maker 35A (5) RAP6249 Tool and Die Maker 35B.....(5) RAP6250 Tool and Die Maker 35C.....(5) RAP6251 Tool and Die Maker 35D (5)
RAP4252 Transport Refrigeration Technician 15 ❶ (5)	RAP5252 Transport Refrigeration Technician 25A ❶(5) RAP5253 Transport Refrigeration Technician 25B ❶(5) RAP5254 Transport Refrigeration Technician 25C ❶(5)	RAP6252 Transport Refrigeration Technician 35A ❶(5) RAP6253 Transport Refrigeration Technician 35B ❶(5) RAP6254 Transport Refrigeration Technician 35C ❶(5) RAP6255 Transport Refrigeration Technician 35D ❶(5)
RAP1641 Water Well Driller 15 (5)	RAP2641 Water Well Driller 25A.....(5) RAP2642 Water Well Driller 25B.....(5) RAP2643 Water Well Driller 25C.....(5)	RAP3641 Water Well Driller 35A.....(5) RAP3642 Water Well Driller 35B.....(5) RAP3643 Water Well Driller 35C.....(5) RAP3644 Water Well Driller 35D.....(5)
RAP1663 Welder 15..... (5)	RAP2663 Welder 25A.....(5) RAP2664 Welder 25B.....(5) RAP2665 Welder 25C.....(5)	RAP3663 Welder 35A.....(5) RAP3664 Welder 35B(5) RAP3665 Welder 35C.....(5) RAP3666 Welder 35D.....(5)

❶ Formerly Transport Refrigeration Mechanic.

Withdrawn Courses and Course Codes

Withdrawn Effective August 31, 2015

CAREER AND TECHNOLOGY STUDIES	
Carpenter Apprenticeship	CRA3400 Introduction to Work Site Safety, 2009 (E) CRA3405 Basic Hand, Power Tools & Safety, 2009 (E) CRA3410 Construction Materials & Processes, 2009 (E) CRA3415 Site Preparation & Floor Systems, 2009 (E) CRA3420 Foundations & Concrete Structures, 2009 (E) CRA3425 Blueprint Drawings & Sketching, 2009 (E) CRA3430 Construction Machines, Tools & Equipment, 2009 (E) CRA3435 Blueprint Interpretation, 2009 (E) CRA3440 CRA Practicum Course A, 2009 (E) CRA3445 CRA Practicum Course B, 2009 (E) CRA3450 CRA Practicum Course C, 2009 (E) CRA3455 CRA Practicum Course D, 2009 (E)

Withdrawn Effective August 31, 2014

CAREER AND TECHNOLOGY STUDIES	
Cook Apprenticeship	CKA3400 Kitchen Orientation, 2010 (E) CKA3405 Kitchen Orientation – Food Service, 2010 (E) CKA3410 Culinary Fundamentals, 2010 (E) CKA3420 Breakfast Foods, 2010 (E) CKA3425 Breakfast – Food Service, 2010 (E) CKA3430 Entremetier, 2010 (E) CKA3435 Entremetier – Food Service, 2010 (E) CKA3440 Pantry – Salads & Sandwiches, 2010 (E) CKA3445 Pantry – Food Service, 2010 (E) CKA3450 Bakeshop, 2010 (E) CKA3465 Bakeshop – Food Service, 2010 (E) CKA3470 Yeast Products, 2010 (E) CKA3475 Yeast Products – Food Service, 2010 (E) CKA3480 Saucier 1, 2010 (E) CKA3490 Saucier 2, 2010 (E) CKA3495 Saucier – Food Service, 2010 (E) CKA3500 Meat Cookery, 2010 (E) CKA3515 Meat Cookery – Food Service, 2010 (E) CKA3520 Poultry, Fish & Seafood, 2010 (E) CKA3525 Poultry, Fish & Seafood – Food Service, 2010 (E)
Welder Apprenticeship	WDA3400 Fabrication Orientation & Safety, 2009 (E) WDA3405 Fabrication Tools & Weld Faults, 2009 (E) WDA3410 Oxyfuel Welding, 2009 (E) WDA3425 Materials Handling, 2009 (E) WDA3430 Shielded Metal Arc Welding – Part 1, 2009 (E) WDA3435 Shielded Metal Arc Welding – Part 2, 2009 (E) WDA3440 Shop/Lab Practices for GMAW, FCAW & SAW, 2009 (E)

E = English

F = French

Withdrawn Effective August 31, 2012

MATHEMATICS	MAT3037 Pure Mathematics 30, 2002 (E+F) MAT3038 Applied Mathematics 30, 2002 (E+F)
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Withdrawn Effective August 31, 2011

CAREER AND TECHNOLOGY STUDIES	
Career Transitions	CTR1030 Client Service 1, 1999 (F) CTR1110 Project 1A, 2004 (F) CTR1120 Project 1B, 2004 (F) CTR1210 Personal Safety (Management), 1997 (E+F) CTR2030 Governance & Leadership, 2003 (F) CTR2040 Client Service 2, 1999 (F) CTR2110 Project 2A, 2004 (F) CTR2120 Project 2B, 2004 (F) CTR2130 Project 2C, 2004 (F) CTR2140 Project 2D, 2004 (F) CTR2150 Project 2E, 2004 (F) CTR2210 Workplace Safety (Practices), 1997 (E+F) CTR3030 Leading for Change, 1997 (F) CTR3210 Safety Management Systems, 1997 (E+F)
Communication Technology	COM1020 Media & You, 1997 (F) COM1030 Photography 1, 1997 (F) COM1060 Audio/Video Production 1, 1997 (F) COM1070 Animation 1, 1997 (F) COM1080 Digital Design 1, 1997 (F) COM1210 Digital Imaging 1, 2002 (F) COM2020 Media Design & Analysis 1, 1997 (F) COM2030 Script Writing 1, 1997 (F) COM2040 Photography 2, 1997 (F) COM2090 Audio/Video 1, 1997 (F) COM2100 Audio/Video 2, 1997 (F)
Cosmetology	COS1030 Hair & Scalp Care 1, 1997 (F) COS1040 Forming & Finishing 1, 2005 (F) COS1050 Permanent Waving 1 (The Physical Process), 2005 (F) COS1070 Manicuring 1, 1997 (F) COS1080 Theatrical Makeup 1 (Basic Principles), 2005 (F)
Design Studies	DES2010 2-D Design Applications, 1997 (F) DES2020 3-D Design Applications, 1997 (F) DES2040 Drafting/Design Applications, 1997 (F) DES3010 2-D Design Studio 1, 1997 (F) DES3040 3-D Design Studio 1, 1997 (F) DES3050 3-D Design Studio 2, 1997 (F) DES3060 3-D Design Studio 3, 1997 (F) DES3070 Living Environment Studio 1, 1997 (F) DES3080 Living Environment Studio 2, 1997 (F) DES3090 Living Environment Studio 3, 1997 (F) DES3180 The Design Profession, 1997 (F) DES3190 Portfolio Presentation, 1997 (F)
Fashion Studies	FAS1040 Fashion Basics, 1997 (F) FAS1070 Creative Yarns/Textiles, 1997 (F) FAS2010 Fashion Dynamics, 1997 (F) FAS2020 Fashion Illustration 1, 1997 (F) FAS2070 Creative Construction, 1997 (F) FAS3010 Fashion Illustration 2, 1997 (F)

E = English
F = French

Foods	FOD2010 Food & Nutrition Basics, 1997 (F) FOD2020 Nutrition & the Athlete, 1997 (F) FOD2080 Vegetables/Fruits/Grains, 1997 (F) FOD3140 International Cuisine 2, 1997 (F)
Forestry	FOR1060 Measuring the Forest 1 (Measurement Skills), 1997 (F) FOR1090 Forest Ecology 1 (Ecosystem Dynamics), 1997 (F) FOR2120 Users in the Forest, 1997 (F) FOR3120 Integrated Resource Management (Balancing Needs), 1997 (F)
Wildlife	WLD1030 Outdoor Experiences 1 (Survival Skills), 1997 (F) WLD2030 Outdoor Experiences 2 (Wilderness Excursion), 1997 (F)
FRENCH AS A SECOND LANGUAGE	FSL3309 French as a Second Language 30, 1991
MATHEMATICS	MAT2037 Pure Mathematics 20, 2002 (E+F) MAT2039 Pure Mathematics 20B, 2002 (E+F) MAT2038 Applied Mathematics 20, 2002 (E+F) MAT2040 Applied Mathematics 20B, 2002 (E+F) MAT2225 Mathematics 24, 2004 (E+F)

Withdrawn Effective January 31, 2011

CAREER AND TECHNOLOGY STUDIES	
Foods	
<u>Cook Apprenticeship</u>	CKA3460 Bakeshop 2, 2010 (E) CKA3510 Meat Cookery 2, 2010 (E) CKA3530 Butcher Shop, 2010, (E) CKA3540 Value-added Products, 2010 (E) CKA3555 Banquet Preparation – Food Service, 2010 (E)

Withdrawn Effective August 31, 2010

CAREER AND TECHNOLOGY STUDIES	
Agriculture	AGR1030 Production Basics, 1997 (E+F) AGR1060 Consumer Products & Services, 1997 (F) AGR1090 Market Fundamentals, 1997 (F) AGR1110 Resource Management, 1997 (E+F) AGR2080 Floral Design 1 (Projects for all Occasions), 1997 (E+F) AGR2090 Marketing 1, 1997 (F) AGR2140 Nursery/Greenhouse Crops 1 (Materials & Processes), 1997 (E+F) AGR3010 Issues in Agriculture, 1997 (E+F) AGR3080 Floral Design 2 (Creative Design & Display), 1997 (E+F) AGR3090 Marketing 2, 1997 (F) AGR3110 Water Management, 1997 (E+F) AGR3130 Sustainable Agriculture Systems, 1997 (E+F) AGR3140 Nursery/Greenhouse Crops 2 (Management Techniques), 1997 (E+F)

E = English
F = French

<p>Career Transitions</p>	<p>CTR1030 Client Service 1, 1999 (E) CTR1110 Project 1A, 2004 (E) CTR1120 Project 1B, 2004 (E) CTR2030 Governance & Leadership, 2003 (E) CTR2040 Client Service 2, 1999 (E) CTR2110 Project 2A, 2004 (E) CTR2120 Project 2B, 2004 (E) CTR2130 Project 2C, 2004 (E) CTR2140 Project 2D, 2004 (E) CTR2150 Project 2E, 2004 (E) CTR3030 Leading for Change, 1997 (E) CTR3040 Practicum A, 2004 (E+F) CTR3050 Practicum B, 2004 (E+F) CTR3060 Practicum C, 2004 (E+F) CTR3070 Practicum D, 2004 (E+F) CTR3080 Practicum E, 2004 (E+F) CTR3090 Client Service 3, 1999 (E+F) CTR3110 Project 3A, 2004 (E+F) CTR3120 Project 3B, 2004 (E+F) CTR3130 Project 3C, 2004 (E+F) CTR3140 Project 3D, 2004 (E+F) CTR3150 Project 3E, 2004 (E+F)</p>
<p>Communication Technology</p>	<p>COM1020 Media & You, 1997 (E) COM1030 Photography 1, 1997 (E) COM1050 Printing 1, 1997 (E+F) COM1060 Audio/Video Production 1, 1997 (E) COM1070 Animation 1, 1997 (E) COM1080 Digital Design 1, 1997 (E) COM1210 Digital Imaging 1, 2002 (E) COM2020 Media Design & Analysis 1, 1997 (E) COM2030 Script Writing 1, 1997 (E) COM2040 Photography 2, 1997 (E) COM2050 Photographic Communication, 1997 (E+F) COM2060 Photographic Techniques 1, 1997 (E+F) COM2070 Printing Techniques 1, 1997 (E+F) COM2080 Printing Applications 1, 1997 (E+F) COM2090 Audio/Video 1, 1997 (E) COM2100 Audio/Video 2, 1997 (E) COM2110 Animation 2, 1997 (E) COM2120 Digital Design 2, 1997 (E) COM2130 Special Effects Photography, 1997 (E) COM2210 Digital Imaging 2, 2002 (E) COM3020 Media Design & Analysis 2, 1997 (E) COM3030 Script Writing 2, 1997 (E) COM3040 Photography 3, 1997 (E) COM3050 Photojournalism, 1997 (E) COM3060 Photographic Techniques 2, 1997 (E) COM3070 Colour Photography, 1997 (E) COM3080 Printing Techniques 2, 1997 (E) COM3090 Printing Applications 2, 1997 (E) COM3100 Audio 3, 1997 (E) COM3110 Video 3, 1997 (E) COM3120 Animation 3, 1997 (E) COM3130 Digital Design 3, 1997 (E) COM3210 Digital Imaging 3, 2002 (E)</p>

E = English
 F = French

<p>Community Health</p>	<p>CMH1010 Family Dynamics, 1997 (E+F) CMH1040 Caring for Children, 1997 (E+F) CMH1050 Child Development, 1997 (E+F) CMH1060 Home Care 1, 1997 (E+F) CMH1080 Perspectives on Health, 1997 (E+F) CMH2010 Adolescent Health Issues, 1997 (E+F) CMH2030 Community Volunteerism, 1997 (E+F) CMH2050 Day Care 1, 1997 (E+F) CMH2060 Home Care 2, 1997 (E+F) CMH2070 Sensory Challenges, 1997 (E+F) CMH2080 Respiratory System, 1997 (E+F) CMH2090 Circulatory System, 1997 (E+F) CMH2100 Musculoskeletal System, 1997 (E+F) CMH2110 Complementary Therapies, 1997 (E+F) CMH2120 First Aid/CPR, 1997 (E+F) CMH2130 Sports First Aid 1, 1997 (E+F) CMH3010 Family Issues, 1997 (E+F) CMH3020 Parenting, 1997 (E+F) CMH3030 Aging, 1997 (E+F) CMH3040 Prenatal & Postnatal Care, 1997 (E+F) CMH3050 Day Care 2, 1997 (E+F) CMH3060 Home Care 3 (Special Conditions), 1997 (E+F) CMH3070 Challenged Individuals, 1997 (E+F) CMH3080 Digestive System, 1997 (E+F) CMH3090 Nervous/Endocrine Systems, 1997 (E+F) CMH3100 Mental Health, 1997 (E+F) CMH3110 Advances in Medical Technology, 1997 (E+F) CMH3120 First Aid/CPR for Children, 1997 (E+F) CMH3130 Sports First Aid 2, 1997 (E+F) CMH3140 Perspectives on Marriage, 2001 (E+F)</p>
<p>Construction</p>	<p>CON2040 Framing Systems 1, 2005 (F) CON3100 Commercial Structures, 1997 (F)</p>

E = English
 F = French

Cosmetology	<p> COS1030 Hair & Scalp Care 1, 1997 (E) COS1040 Forming & Finishing 1, 2005 (E) COS1050 Permanent Waving 1 (The Physical Process), 2005 (E) COS1060 Skin Care 1 (Basic Principles), 1997 (E) COS1070 Manicuring 1, 1997 (E) COS1080 Theatrical Makeup 1 (Basic Principles), 2005 (E) COS2020 Hair & Scalp Care 2, 2005 (E+F) COS2030 Forming & Finishing 2, 2005 (E+F) COS2040 Haircutting 1, 2005 (E+F) COS2050 Hair Care & Cutting 1 (Client Services), 2005 (E+F) COS2060 Permanent Waving 2 (Cold Waving), 2005 (E+F) COS2070 Permanent Waving 3 (Heat-assisted), 2005 (E+F) COS2080 Permanent Waving 4 (Client Services), 2005 (E+F) COS2090 Colouring 1, 2005 (E+F) COS2100 Colour Removal 1, 2005 (E+F) COS2110 Colouring & Removal 1, 2005 (E+F) COS2120 Facials & Makeup 1, 2005 (E+F) COS2130 Facials & Makeup 2 (Client Services), 2005 (E+F) COS2140 Skin Care 2 (Client Services), 2005 (E+F) COS2150 Manicuring 2, 2005 (E+F) COS2160 Nail Art, 2005 (E+F) COS2170 Manicuring 3 (Client Services), 2005 (E+F) COS2180 Hairpieces & Extensions, 2005 (E+F) COS2190 Theatrical Makeup 2 (Planning the Images), 2005 (E+F) COS2200 Historical Cosmetology, 2005 (E+F) COS3030 Hair & Scalp Care 3, 2005 (E+F) COS3040 Hair & Scalp Care 4 (Client Services), 2005 (E+F) COS3050 Haircutting 2, 2005 (E+F) COS3060 Haircutting 3 (Client Services), 2005 (E+F) COS3070 Hair Care & Cutting 2 (Client Services), 2005 (E+F) COS3080 Permanent Waving 5 (Designer), 2002 (E+F) COS3090 Relax/Straighten Hair, 2005 (E+F) COS3100 Wave Relax & Straighten Hair (Client Services), 2005 (E+F) COS3110 Colouring 2 (Permanent), 2005 (E+F) COS3120 Colour Removal 2, 2005 (E+F) COS3130 Colouring & Removal 2 (Client Services), 2005 (E+F) COS3140 Body Therapy, 2005 (E+F) COS3150 Hair Removal, 2005 (E+F) COS3160 Skin Care 3 (Client Services), 2005 (E+F) COS3170 Male Facial Grooming 1, 2005 (E+F) COS3180 Male Facial Grooming 2 (Client Services), 2005 (E+F) COS3190 Nail Technology, 2005 (E+F) COS3200 Pedicuring, 2005 (E+F) COS3210 Nail Care (Client Services), 2005 (E+F) COS3220 Wigs & Toupees, 2005 (E+F) COS3230 Hair Goods (Client Services), 2005 (E+F) COS3240 Theatrical Makeup 3 (Changing Images), 2005 (E+F) COS3250 Theatrical Makeup 4 (Client Services), 2005 (E+F) COS3260 Facial & Body Adornment, 2005 (E+F) COS3270 Creative Cosmetology, 2005 (E+F) COS3290 Competition Cosmetology, 2005 (E+F) </p>
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E = English
F = French

<p>Design Studies</p>	<p>DES2010 2-D Design Applications, 1997 (E) DES2020 3-D Design Applications, 1997 (E) DES2030 CAD Applications (Computer-aided Design), 1997 (E+F) DES2040 Drafting/Design Applications, 1997 (E) DES2050 Technical Drawing Applications, 1997 (E+F) DES3010 2-D Design Studio 1, 1997 (E) DES3020 2-D Design Studio 2, 1997 (E+F) DES3030 2-D Design Studio 3, 1997 (E+F) DES3040 3-D Design Studio 1, 1997 (E) DES3050 3-D Design Studio 2, 1997 (E) DES3060 3-D Design Studio 3, 1997 (E) DES3070 Living Environment Studio 1, 1997 (E) DES3080 Living Environment Studio 2, 1997 (E) DES3090 Living Environment Studio 3, 1997 (E) DES3100 CAD Modelling Studio (Computer-aided Design), 1997 (E+F) DES3110 Drafting/Design Studio 1, 1997 (E+F) DES3120 Drafting/Design Studio 2, 1997 (E+F) DES3130 Drafting/Design Studio 3, 1997 (E+F) DES3140 Technical Drawing Studio 1, 1997 (E+F) DES3150 Technical Drawing Studio 2, 1997 (E+F) DES3160 Technical Drawing Studio 3, 1997 (E+F) DES3180 The Design Profession, 1997 (E) DES3190 Portfolio Presentation, 1997 (E)</p>
<p>Electro-Technologies</p>	<p>ELT1060 Digital Technology 1, 1997 (F) ELT1100 Electronic Communication, 1997 (F) ELT2060 Digital Technology 2, 2000 (F) ELT2070 Computer Technology, 2000 (F) ELT2100 Radio Communication, 2000 (F) ELT2310 Network Structures, 2004 (F) ELT2320 Network Media & Devices, 2004 (F) ELT2330 OSI Model (Open System Interconnection), 2004 (F) ELT2340 Network Protocols, 2004 (F) ELT2350 Local Area Networks, 2004 (F) ELT3060 Digital Technology 3, 1997 (F) ELT3070 Digital Applications, 1997 (F) ELT3080 Microprocessors, 2005 (F) ELT3090 Microprocessor Interface, 2000 (F) ELT3100 Analog Communication 3, 1997 (F) ELT3130 Data/Telemetry Systems, 2000 (F) ELT3310 Network Operating Systems, 2004 (F) ELT3320 Routing Fundamentals, 2004 (F) ELT3330 Wide Area Networks, 2004 (F) ELT3340 Internet Processes, 2004 (F) ELT3350 Network Management, 2004 (F)</p>

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<p>Energy and Mines</p>	<p>ENM1010 Overview Alberta Geology, 1997 (E+F) ENM1020 Nonrenewable Resources, 1997 (E+F) ENM1050 Renewable Resources, 1997 (E+F) ENM1060 Consumer Products/Services, 1997 (E+F) ENM1090 Fundamentals of Recycling, 1997 (E+F) ENM1100 Conservation Challenge, 1997 (E+F) ENM2010 Managing Alberta's Resources, 1997 (E+F) ENM2020 Conventional Oil/Gas 1 (Resource Exploration), 1997 (E+F) ENM2030 Oil Sands/Heavy Oil/Coal 1 (Resource Exploration), 1997 (E+F) ENM2040 Metals/Nonmetals 1 (Resource Exploration), 1997 (E+F) ENM2050 Renewable Energy Technology, 1997 (E+F) ENM2060 Refining Hydrocarbons, 1997 (E+F) ENM2070 Refining Rocks & Minerals, 1997 (E+F) ENM2080 Supply & Distribution, 1997 (F) ENM2090 Energy Designs/Systems 1 (Basic Principles), 1997 (E+F) ENM2100 Environmental Safety, 1997 (E+F) ENM3010 Energy & The Environment, 1997 (E+F) ENM3020 Conventional Oil/Gas 2 (Recovery & Production), 1997 (E+F) ENM3030 Oil Sands/Heavy Oil/Coal 2 (Recovery & Production), 1997 (E+F) ENM3040 Metals/Nonmetals 2 (Recovery & Production), 1997 (E+F) ENM3050 Sustainable Energy (The Power & Potential), 1997 (E+F) ENM3060 Petrochemicals, 1997 (E+F) ENM3070 Industrial Materials (Primary Manufacturing), 1997 (E+F) ENM3080 Market Basics & Trends, 1997 (F) ENM3090 Energy Designs/Systems 2 (Practical Applications) (E+F), 1997 ENM3100 Integrated Resource Management (Balancing Needs), 1997 (E+F)</p>
<p>Fashion Studies</p>	<p>FAS1040 Fashion Basics, 1997 (E) FAS1070 Creative Yarns/Textiles, 1997 (E) FAS2010 Fashion Dynamics, 1997 (E) FAS2020 Fashion Illustration 1, 1997 (E) FAS2070 Creative Construction, 1997 (E) FAS3010 Fashion Illustration 2, 1997 (E)</p>
<p>Financial Management</p>	<p>FIN2010 Taxation, 2000 (F) FIN2050 Financial Simulation, 1997 (F)</p>
<p>Foods</p>	<p>FOD2010 Food & Nutrition Basics, 1997 (E) FOD2020 Nutrition & the Athlete, 1997 (E) FOD2080 Vegetables/Fruits/Grains, 1997 (E) FOD3090 Basic Meat Cutting, 1997 (E+F) FOD3140 International Cuisine 2, 1997 (E)</p>
<p>Forestry</p>	<p>FOR1060 Measuring the Forest 1 (Measurement Skills), 1997 (E) FOR1090 Forest Ecology 1 (Ecosystem Dynamics), 1997 (E) FOR2120 Users in the Forest, 1997 (E) FOR3070 The Forest Marketplace, 1997 (F) FOR3120 Integrated Resource Management (Balancing Needs), 1997 (E)</p>

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 F = French

<p>Information Processing</p>	<p>INF1020 Keyboarding 1, 1999 (F) INF1040 Graphic Tools, 1999 (E+F) INF1080 Programming 1, 1999 (F) INF1210 Computer Science 1, 2002 (F) INF2010 Workstation Operations, 1999 (F) INF2030 Keyboarding 2, 2002 (F) INF2040 Keyboarding 3, 2002 (F) INF2060 Electronic Publishing 1, 1999 (E+F) INF2110 Tables/Forms, 1997 (F) INF2120 Software Integration 1, 1999 (F) INF2130 Multimedia Authoring 1, 1997 (E+F) INF2140 Process Control, 1999 (F) INF2150 Programming 2, 1997 (F) INF2160 Programming 3, 1997 (F) INF2170 Programming 4, 1997 (F) INF2180 Programming 5, 1997 (F) INF2190 Telecommunications 1, 1999 (F) INF2200 Information Highway 2, 1999 (E+F) INF2210 Computer Science 2, 2002 (F) INF2220 Object-oriented Programming 1, 2002 (F) INF3020 Local Area Networks, 1999 (F) INF3030 Keyboarding 4, 2002 (F) INF3040 Keyboarding 5, 2002 (F) INF3050 Keyboarding 6, 2002 (F) INF3070 Electronic Publishing 2, 1997 (E+F) INF3090 Software Integration 3, 1997 (F) INF3100 Specialization 1, 1997 (F) INF3110 Specialization 2, 1997 (F) INF3120 Software Integration 2, 1997 (F) INF3130 Multimedia Authoring 2, 1997 (E+F) INF3140 Expert Systems, 1997 (F) INF3150 Programming Application 1, 1999 (F) INF3160 Programming Application 2, 1997 (F) INF3170 Programming Application 3, 1997 (F) INF3180 Telecommunications 2, 1999 (F) INF3190 Information Highway 3, 1997 (E+F) INF3200 Internet Services, 1999 (E+F) INF3210 Computer Science 3, 2002 (F) INF3220 Object-oriented Programming 2, 2002 (F) INF3230 Dynamic Data Structures 1, 2002 (F) INF3240 Dynamic Data Structures 2, 2002 (F)</p>
<p>Tourism Studies</p>	<p>TOU1020 People & Places, 1997 (E+F) TOU2090 Tourism Interpretation 1, 1997 (E+F) TOU2100 Tourism Interpretation 2, 1997 (E+F) TOU3030 Food Service Operations, 1997 (E+F) TOU3050 Alternative Accommodation, 1997 (E+F) TOU3070 Reservations & Ticketing, 1997 (E+F) TOU3100 Attractions Operations, 1997 (E+F) TOU3110 Adventure & Ecotourism, 1997 (E+F)</p>
<p>Wildlife</p>	<p>WLD1030 Outdoor Experiences 1 (Survival Skills), 1997 (E) WLD2030 Outdoor Experiences 2 (Wilderness Excursion), 1997 (E)</p>
<p>FRENCH AS A SECOND LANGUAGE</p>	<p>FSL2309 French as a Second Language 20, 1991</p>
<p>MATHEMATICS</p>	<p>Mathematics, Grade 3, 1997 (E+F) Mathematics, Grade 6, 1997 (E+F) Mathematics, Grade 9, 1997 (E+F) MAT1225 Mathematics 14, 2003 (E+F) MAT1041 Mathematics Preparation 10, 2002 (E+F) MAT1038 Applied Mathematics 10, 2002 (E+F) MAT1040 Applied Mathematics 10B, 2002 (E+F) MAT1037 Pure Mathematics 10, 2002 (E+F) MAT1039 Pure Mathematics 10B, 2002 (E+F)</p>

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Withdrawn Effective August 31, 2009

CAREER AND TECHNOLOGY STUDIES	
Agriculture	AGR1060 Consumer Products & Services, 1997 (E) AGR1090 Market Fundamentals, 1997 (E) AGR2090 Marketing 1, 1997 (E) AGR3090 Marketing 2, 1997 (E)
Construction	CON2040 Framing Systems 1, 2005 (E) CON3100 Commercial Structures, 1997 (E)
Electro-Technologies	ELT1060 Digital Technology 1, 1997 (E) ELT1100 Electronic Communication, 1997 (E) ELT2060 Digital Technology 2, 2000 (E) ELT2070 Computer Technology, 2000 (E) ELT2100 Radio Communication, 2000 (E) ELT2310 Network Structures, 2004 (E) ELT2320 Network Media & Devices, 2004 (E) ELT2330 OSI Model (Open System Interconnection), 2004 (E) ELT2340 Network Protocols, 2004 (E) ELT2350 Local Area Networks, 2004 (E) ELT3060 Digital Technology 3, 1997 (E) ELT3070 Digital Applications, 1997 (E) ELT3080 Microprocessors, 2005 (E) ELT3090 Microprocessor Interface, 2000 (E) ELT3100 Analog Communication 3, 1997 (E) ELT3130 Data/Telemetry Systems, 2000 (E) ELT3310 Network Operating Systems, 2004 (E) ELT3320 Routing Fundamentals, 2004 (E) ELT3330 Wide Area Networks, 2004 (E) ELT3340 Internet Processes, 2004 (E) ELT3350 Network Management, 2004 (E)
Energy and Mines	ENM2080 Supply & Distribution, 1997 (E) ENM3080 Market Basics & Trends, 1997 (E)
Financial Management	FIN2010 Taxation, 2000 (E) FIN2050 Financial Simulation, 1997 (E)
Forestry	FOR3070 The Forest Marketplace, 1997 (E)

E = English

Information Processing	INF1020 Keyboarding 1, 1999 (E) INF1080 Programming 1, 1999 (E) INF1210 Computer Science 1, 2002 (E) INF2010 Workstation Operations, 1999 (E) INF2030 Keyboarding 2, 2002 (E) INF2040 Keyboarding 3, 2002 (E) INF2110 Tables/Forms, 1997 (E) INF2120 Software Integration 1, 1999 (E) INF2140 Process Control, 1999 (E) INF2150 Programming 2, 1997 (E) INF2160 Programming 3, 1997 (E) INF2170 Programming 4, 1997 (E) INF2180 Programming 5, 1997 (E) INF2190 Telecommunications 1, 1999 (E) INF2210 Computer Science 2, 2002 (E) INF2220 Object-oriented Programming 1, 2002 (E) INF3020 Local Area Networks, 1999 (E) INF3030 Keyboarding 4, 2002 (E) INF3040 Keyboarding 5, 2002 (E) INF3050 Keyboarding 6, 2002 (E) INF3090 Software Integration 3, 1997 (E) INF3100 Specialization 1, 1997 (E) INF3110 Specialization 2, 1997 (E) INF3120 Software Integration 2, 1997 (E) INF3140 Expert Systems, 1997 (E) INF3150 Programming Application 1, 1999 (E) INF3160 Programming Application 2, 1997 (E) INF3170 Programming Application 3, 1997 (E) INF3180 Telecommunications 2, 1999(E) INF3210 Computer Science 3, 2002 (E) INF3220 Object-oriented Programming 2, 2002 (E) INF3230 Dynamic Data Structures 1, 2002 (E) INF3240 Dynamic Data Structures 2, 2002 (E)
FRENCH AS A SECOND LANGUAGE	FSL1309 French as a Second Language 10, 1991
INTEGRATED OCCUPATIONAL PROGRAM	<u>Occupational</u> IOP3801 Agricultural Production 36, 1992 IOP3877 Fashion and Fabric Services 36, 1992 IOP3941 Natural Resource Services 36, 1992
MATHEMATICS	Mathematics, Grade 2, 1997 Mathematics, Grade 5, 1997 Mathematics, Grade 8, 1996
SOCIAL STUDIES	Social Studies, Grade 6, 1990 Social Studies, Grade 9, 1989 SST3150 Social Studies 30, 1990 SST3151 Social Studies 33, 1990

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